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United States
~~Capital~~
1st Court
1872



*A copy of this List will be sent free of charge to any shipmaster on application to the Office of the
Light-House Board, Washington, D. C.*

LIST



LIGHTS AND FOG SIGNALS

ON THE

ATLANTIC AND GULF COASTS

OF THE

NEW YORK
PUBLIC
LIBRARY

UNITED STATES.

CORRECTED TO JANUARY 1, 1893.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.

1893.

WOMEN
OF
THE
FUTURE

LIST OF LIGHT-HOUSE DISTRICTS AND LOCAL OFFICERS.

FIRST DISTRICT.

Extends from the northeastern boundary of the United States to include Hampton Harbor, New Hampshire. Covers the coasts of Maine and New Hampshire.

Inspector—MERRILL MILLER, Commander, U. S. Navy, Custom-House, PORTLAND, ME.

Engineer—WILLIAM R. LIVERMORE, Major of Engineers, U. S. Army, Rooms 141 and 142, Post-Office Building BOSTON, MASS.

SECOND DISTRICT.

Extends from Hampton Harbor, New Hampshire, to but does not include Elisha Ledge, off Warren Point, Rhode Island.

Covers the coast of Massachusetts, except a small portion of Narragansett Bay and Taunton River.

Inspector—GEORGE F. F. WILDE, Commander, U. S. Navy, Post-Office Building, BOSTON, MASS.

Engineer—WILLIAM R. LIVERMORE, Major of Engineers, U. S. Army, Rooms 141 and 142, Post-Office Building, BOSTON, MASS.

THIRD DISTRICT.

Extends from Elisha Ledge, off Warren Point, Rhode Island, to a point on the coast opposite the mouth of the Shrewsbury River, New Jersey.

Covers the sea and sound coasts of Rhode Island, Connecticut, and New York, Narragansett and New York Bays, Taunton, Providence, and Hudson Rivers, Whitehall Narrows, and Lakes Champlain and Manlius.

Inspector—WINFIELD S. SCHLEY, Captain, U. S. Navy, TOMPKINSVILLE, STATEN ISLAND, N. Y.

Engineer—DAVID P. HEAP, Major of Engineers, U. S. Army, TOMPKINSVILLE, STATEN ISLAND, N. Y.

FOURTH DISTRICT.

Extends from a point on the coast opposite the mouth of the Shrewsbury River, New Jersey, to include Metomkin Inlet, Virginia.

Covers the seacoast of New Jersey, below the Highlands of Navesink, the bay shores of New Jersey and Delaware, the seacoasts of Delaware and Maryland, and part of the seacoast of Virginia.

Inspector—PURNELL F. HARRINGTON, Commander, U. S. Navy, Post-Office Building, PHILADELPHIA, PA.

Engineer—FREDERICK A. MAHAN, Captain of Engineers, U. S. Army, Post-Office Building, PHILADELPHIA, PA.

FIFTH DISTRICT.

Extends from Metomkin Inlet, Virginia, to include New River Inlet, North Carolina.

Embraces part of the seacoasts of Virginia and North Carolina, all of Chesapeake Bay and tributaries, and the sounds of North Carolina, and the rivers tributary thereto.

Inspector—YATES STIRLING, Commander, U. S. Navy, Post-Office Building, BALTIMORE, MD.

Engineer—ERIC BERGLAND, Captain of Engineers, U. S. Army, Post-Office Building, BALTIMORE, MD.

SIXTH DISTRICT.

Extends from New River Inlet, North Carolina, to include Jupiter Inlet Light-Station, Florida.

Covers part of the seacoast of North Carolina, the coasts of South Carolina and Georgia, part of the coast of Florida, and the Cape Fear, Savannah, St. Johns, and Indian Rivers.

Inspector—JAMES G. GREEN, Commander, U. S. Navy, Brown's Wharf, CHARLESTON, S. C.

Engineer—ERIC BERGLAND, Captain of Engineers, U. S. Army, Post-Office Building, BALTIMORE, MD., and Southern Wharf, CHARLESTON, S. C.

SEVENTH DISTRICT.

Extends from a point just south of Jupiter Inlet Light-Station to include the Perdido River, Florida. Covers the sea and gulf coasts of Florida, except that from Jupiter Inlet Light-Station northward.

Inspector—WILLIAM B. NEWMAN, Commander, U. S. Navy, Navy-Yard, PENSACOLA, FLA.

Engineer—JAMES B. QUINN, Major of Engineers, U. S. Army, 63 Carondelet Street, NEW ORLEANS, LA.

EIGHTH DISTRICT.

Extends from the Perdido River, Florida, to the southern boundary of Texas.

Covers the gulf coasts of Alabama, Mississippi, Louisiana, and Texas, Mississippi Sound, Lakes Borgne and Pontchartrain, Mobile, Atchafalaya, Galveston, and Matagorda Bays, and the Mississippi River from its mouth to New Orleans, La.

Inspector—DENNIS W. MULLAN, Commander, U. S. Navy, 196 Gravier Street, NEW ORLEANS, LA.

Engineer—JAMES B. QUINN, Major of Engineers, U. S. Army, 63 Carondelet Street, NEW ORLEANS, LA.

NINTH DISTRICT.

Includes all aids to navigation on Lake Michigan, Green Bay, and tributary waters lying west of a line drawn across the Straits of Mackinac at a point just to the eastward of Old Mackinac Point Fog-Signal Station.

Inspector—JOHN J. BRICE, Commander, U. S. Navy, Room 1308, Chamber of Commerce Building, corner Washington and La Salle Streets, CHICAGO, ILL.

Engineer—MILTON B. ADAMS, Major of Engineers, U. S. Army, 18 Bagley Street, DETROIT, MICH.

TENTH DISTRICT.

Extends from the mouth of St. Regis River, New York, to the mouth of the Rouge River, Michigan.

Covers the United States shores and waters of Lakes Erie and Ontario, and the St. Lawrence, Niagara, and lower part of Detroit Rivers.

Inspector—EDWIN T. WOODWARD, Commander, U. S. Navy, Post-Office Building, corner Washington and Seneca Streets, BUFFALO, N. Y.

Engineer—JARED A. SMITH, Lieutenant-Colonel of Engineers, U. S. Army, Hikok Building, 185 Euclid Avenue, corner of Erie Street, CLEVELAND, OHIO.

ELEVENTH DISTRICT.

Extends from the mouth of the Rouge River to the head of Lake Superior.

Covers the United States shores and waters of the Detroit River above the mouth of Rouge River, and of Lakes St. Clair, Huron, and Superior, part of the Straits of Mackinac, and the River St. Mary.

Inspector—JOHN J. READ, Commander, U. S. Navy, 80 Griswold Street, DETROIT, MICH.

Engineer—MILTON B. ADAMS, Major of Engineers, U. S. Army, 18 Bagley Street, DETROIT, MICH.

TWELFTH DISTRICT.

Extends from the southern boundary of California to the southern boundary of Oregon.

Covers the seacoast of California and San Francisco and San Pablo Bays.

Inspector—HENRY E. NICHOLS, Commander, U. S. Navy, Rooms 77 and 79, Appraiser's Building, SAN FRANCISCO, CAL.

Engineer—WILLIAM H. HEUER, Major of Engineers, U. S. Army, Room 89, Flood Building, SAN FRANCISCO, CAL.

THIRTEENTH DISTRICT.

Extends from the southern boundary of Oregon to British Columbia.

Covers the seacoast of Oregon and Washington, Puget Sound, Columbia River, and the American shores and waters of the Strait of Juan de Fuca.

Inspector—OSCAR W. FARENHOLT, Commander, U. S. Navy, corner Third and Washington Streets, PORTLAND, OREGON.

Engineer—THOMAS H. HANDBURY, Major of Engineers, U. S. Army, 73 Fourth Street, PORTLAND, OREGON.

FOURTEENTH DISTRICT.

Extends from Pittsburg, Pa., to Cairo, Ill., and includes all aids to navigation on the Ohio, Kanawha, and Tennessee Rivers.

Inspector—EDWIN M. SHEPARD, Commander, U. S. Navy, Post-Office Building, CINCINNATI, OHIO.

Engineer—AMOS STICKNEY, Major of Engineers, U. S. Army, Custom-House, CINCINNATI, OHIO.

FIFTEENTH DISTRICT.

Extends on the Mississippi River from the head of navigation to Cairo, Ill., on the Missouri River to Kansas City, and on the Illinois River to La Salle, and includes all aids to navigation within those limits.

Inspector—WILLIAM C. WISE, Commander, U. S. Navy, New Custom-House, ST. LOUIS, MO.

Engineer—CHARLES R. SUTER, Lieutenant-Colonel of Engineers, U. S. Army, 1515 Lucas Place, ST. LOUIS, MO.

SIXTEENTH DISTRICT.

Extends on the Mississippi River from Cairo, Ill., to New Orleans, La., and on the Red River a distance of miles, and includes all aids to navigation within those limits.

Inspector—ANDREW J. IVERSON, Commander, U. S. Navy, Custom-House, MEMPHIS, TENN.

Engineer—CHARLES R. SUTER, Lieutenant-Colonel of Engineers, U. S. Army, 1515 Lucas Place, ST. LOUIS, MO.

TO MARINERS.

TREASURY DEPARTMENT,

OFFICE OF THE LIGHT-HOUSE BOARD, *Washington, D. C.*

Mariners and others interested in commerce and the preservation of life and property from loss by shipwreck on the coasts of the United States are earnestly requested to give prompt information to the district inspectors, or engineers, or by direct communication to the Light-House Board, of all cases of injury to or unsatisfactory condition or service of any aid to navigation, or of the necessity for additional aids, and of all cases in which lights are not exhibited punctually at sunset and extinguished at sunrise, when they are not properly attended to during the night, when floating aids are out of position, and of all cases in which the published instructions are not strictly complied with, that the Board may, with as little delay as possible, apply the proper remedy, and prevent neglect of duty on the part of persons connected with the aids to navigation of the United States.

NOTES.

The lights of the United States in this list are arranged as nearly as possible in their regular geographical order from East to West, commencing at the first light nearest to the northeastern boundary, and following the seacoast to the entrances to the sounds, bays, rivers, etc. The lights of each estuary are arranged in regular order from the sea to the head of navigation under separate references; after which the next seacoast light will be found in the order. In some instances seacoast lights have been repeated for convenience of reference.

The names of the lights are printed as follows, viz:

1st. PRIMARY SEACOAST LIGHTS.

2d. SECONDARY SEACOAST LIGHTS AND LAKE-COAST LIGHTS.

3d. *Light-vessels.*

4th. Sound, bay, river, and harbor lights.

The geographical positions of lights are furnished by the United States Coast and Geodetic Survey. Those which are uncertain by some seconds, not having yet been accurately determined, and those of light-vessels which vary somewhat in position, have the seconds inclosed thus: 30° 45' (57").

In the column "Characteristic of light" the time interval of flashing lights is given from the beginning of one flash to the beginning of the next following flash.

In the column "Distance visible, in nautical miles," will be found the distances within which the lights can be seen, under ordinary conditions of the atmosphere, the height of the light being measured from mean high water (excepting in the Third and Fourth Light-House Districts) and the eye of the observer taken at an elevation of fifteen feet above sea level.

In the majority of cases the given distances are *geographical* ranges, computed from the table and formula on page 7. In the cases in which the given distances are smaller than would be found by computation, *luminous* ranges have been substituted for *geographical* ranges, because the lights (principally the lower orders of *fixed red* lights) are not of sufficient power to be seen, under ordinary atmospheric conditions, to the limit of their geographical range.

Distances are given in *nautical miles*.

Bearings and courses given are *magnetic*.

Bearings relating to the visibility of lights are given from *seaward*.

Depths are referred to *mean low water*.

Table of elevations of objects above sea level with their corresponding distances of visibility.

Height, in feet.	Distance, in nautical miles.	Height, in feet.	Distance, in nautical miles.	Height, in feet.	Distance, in nautical miles.
5	2.555	70	9.562	250	18.070
10	3.614	75	9.897	300	19.795
15	4.426	80	10.222	350	21.381
20	5.111	85	10.536	400	22.857
25	5.714	90	10.842	450	24.244
30	6.260	95	11.139	500	25.555
35	6.761	100	11.428	550	26.802
40	7.228	110	11.986	600	27.994
45	7.666	120	12.519	650	29.137
50	8.081	130	13.030	700	30.237
55	8.476	140	13.522	800	32.325
60	8.852	150	13.997	900	34.286
65	9.214	200	16.162	1,000	36.140

The distances of visibility given in the above table are those from which an object may be seen by an observer whose eye is at the sea level; in practice, therefore, it is necessary to add to these a distance of visibility corresponding to the height of the observer's eye above sea level.

EXAMPLE.—Sandy Hook Light seen just at the horizon, what, under ordinary conditions of the atmosphere, is its distance from the observer?

Height (according to List of Lights and Fog-Signals), 90 feet, distance visible (according to table)..... 10.84 nautical miles.

Add distance corresponding to height of observer's eye above sea level, 15 feet = 4.43 " "

Distance of light 15.27 " "

Distances corresponding to heights not included in the above table may be found by the formula $D = \frac{2}{3} \sqrt{H}$, in which H = the elevation, or height, in feet, of the object above sea level, and D = the corresponding distance of visibility, in nautical miles. The formula is based on the mean curvature of the earth and is corrected for ordinary atmospheric refraction.

The distance of visibility of a light may be augmented by abnormal atmospheric refraction, which usually increases with the height of the barometer and a falling temperature.

LAWS FOR THE PROTECTION OF AIDS TO NAVIGATION.

UNITED STATES.

REVISED STATUTES.

SEC. 5358:

Every person who holds out or shows any false light, or extinguishes any true light, with intent to bring any vessel, sailing upon the sea, into danger or distress, or shipwreck, shall be punished by a fine of not more than five thousand dollars, and imprisoned at hard labor not more than ten years.

AN ACT making appropriations for the construction, repair, preservation, and completion of certain public works on rivers and harbors, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SEC. 3.

Any person who shall wilfully and unlawfully injure any pier, breakwater, or other work of the United States for the improvement of rivers or harbors, or navigation in the United States, shall, on conviction thereof, be punished by a fine not exceeding one thousand dollars.

Approved August 14, 1876.

RULES AND REGULATIONS RELATING TO THE ANCHORAGE OF VESSELS IN THE PORT OF NEW YORK.

TREASURY DEPARTMENT, July 5, 1889.

The following-described anchorage grounds for vessels in the bay and harbor of New York, and in the Hudson and East Rivers, are hereby defined and established, and the following Rules and Regulations in relation thereto are hereby adopted and published for the government of the owners, masters, or persons in charge of any vessel in the port of New York, pursuant to the act of Congress approved May 16, 1888, as follows:

AN ACT relating to the anchorage of vessels in the port of New York.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Treasury is authorized, empowered, and directed to define and establish an anchorage ground for vessels in the bay and harbor of New York, and in the Hudson and East Rivers, to adopt suitable rules and regulations in relation thereto, and to take all necessary measures for the proper enforcement of such rules and regulations.

SEC. 2. That in the event of the violation of any such rules or regulations by the owner, master, or person in charge of any vessel, such owner, master, or person in charge of such vessel shall be liable to a penalty of one hundred dollars, and the said vessel may be holden for the

payment of such penalty, and may be seized and proceeded against summarily by libel for the recovery of the same in any United States district court for the district within which such vessel may be, and in the name of the officer designated by the Secretary of the Treasury.

SEC. 3. That this act shall take effect immediately.

Approved, May 16, 1888.

CIRCULAR.

THE ANCHORAGE OF VESSELS IN THE PORT OF NEW YORK.

* * * * *

SANDY HOOK BAY ANCHORAGE.

18. Vessels may anchor to the southward of a line extending from East Beacon to Bayside Beacon (Point Comfort), provided they do not impede the movements of vessels in getting to and from the piers.

In order to prevent injury to the submarine cables which will be used for the lighting of Gedney Channel Buoys, vessels are forbidden to anchor when the East Beacon Light-House bears anywhere between the compass bearings of WSW. $\frac{1}{2}$ W. and SW. by W. $\frac{3}{4}$ W. from the vessel, unless the said vessel is to the northward of the northern line of buoys of Gedney Channel.

* * * * *

All officers of revenue vessels at the port of New York, are charged with the enforcement of these rules and regulations, and are empowered to remove from her anchorage any vessel not anchored within the limits hereby prescribed.

WILLIAM WINDOM,
Secretary of the Treasury.

MAINE.

REVISED STATUTES 1883—CHAPTER 127.

SEC. 8. * * * Whoever moors a vessel, boat, scow, or raft, to any buoy or beacon, placed by the United States in any of the navigable waters of the State, or in any manner makes the same fast thereto, forfeits fifty dollars; and whoever wilfully destroys any such buoy or beacon shall forfeit one hundred dollars, and be imprisoned for three months. Said forfeitures may be recovered by complaint or action of debt; half to the plaintiff or informer, and half to the county in which the trial is had.

MASSACHUSETTS.

AN ACT to protect the beacons, buoys, and floating guides on the coast of Massachusetts, and in the rivers, harbors, and channels in said State.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

SECTION 1. Any person or persons who shall moor any vessel, scow, boat, or raft, to any buoy or beacon or floating guide, placed by the United States in the navigable waters of this Common-

wealth, or who shall in any manner make fast thereto any vessel, boat, scow, or raft, shall forfeit and pay a sum not exceeding fifty dollars; and any person or persons who shall willfully destroy, injure, or remove any such beacon or guide, shall forfeit and pay a sum not exceeding one hundred dollars, or be imprisoned in the common jail not exceeding three months.

SEC. 2. Said forfeitures may be recovered by an action of tort, complaint, or indictment before any court competent to try the same; one-third accruing to the informer or complainant, and the other two-thirds to the county in which the trial shall be had.

Approved March 5, 1860.

RHODE ISLAND.

[From the "Public Laws" of Rhode Island, as revised and published in 1844.]

AN ACT for the preservation of stakes and buoys within the waters of this State, and for other purposes.

SECTION 1. No vessel or raft to be made fast to any stake or buoy placed by the United States in Narragansett Bay, north of Kinnimicut Point, or in Providence or Warren Rivers; penalty not more than ten dollars nor less than three dollars.

SEC. 2. No vessel or raft to be made fast to the buoy south of Kinnimicut Point, the stakes on that point, the flag-staff on Half-Way Rock, stakes at the mouth of Bristol Harbor, or to any moorings of said buoy, under a penalty of not more than twenty dollars nor less than five dollars.

SEC. 3. Captain and owner of any vessel injuring the buoys at the north or south end of Goat Island, at the entrance of Bristol Harbor, or other buoys south of Kinnimicut Point, or stakes on that point, or the chains or anchors by which they are moored, liable to a penalty of not more than thirty-six dollars nor less than twelve dollars.

It is enacted by the General Assembly as follows:

SECTION 1. Each and every owner and each and every person having charge of any vessel, scow, boat, or raft of any kind, which shall be hereafter made fast to any stake or buoy which hath been or shall be placed at the expense of the United States, for the security and direction of vessels, either in Providence River or in any part of Narragansett Bay, or the waters thereof north of Kinnimicut Point, or in Warren River, and each and every person who shall in any way injure or destroy any of the said stakes and buoys as placed aforesaid, shall forfeit and pay a sum not exceeding ten dollars nor less than three dollars, to be recovered by an action of debt, two-thirds thereof to the use of the United States, in order to replace such stake or buoy, and the other third to the informer who shall prosecute for the same. For any offence aforesaid, committed in Providence River, or in any part of Narragansett Bay, or the waters thereof north of Kinnimicut Point, the action may be tried and determined before any justice of the peace in the county of Providence or Kent, and the part of the forfeiture belonging to the United States as aforesaid for such offence shall be paid to the collector of the district of Providence; and for any offence aforesaid committed in Warren River, the action may be tried and determined before any justice of the peace in the county of Bristol, and the part of the forfeiture belonging to the United States as aforesaid for such offence shall be paid to the collector of the district of Bristol, and all forfeitures that may accrue under this section shall be prosecuted for within the term of six months after they shall accrue.

SEC. 2. Every person who shall make fast any ship, vessel, scow, boat, or raft of any kind, to the buoy on the shoal south of Kinnimicut, or to the stakes on said point, or to the flag-staff on the Half-Way Rock, or to any stake which has been or may be placed at the mouth of Bristol Harbor, or to any of the moorings of said buoys, and the master or owner of such ship, vessel, scow, boat, or raft, shall forfeit and pay a sum not exceeding twenty dollars nor less than five dollars, to be recovered by action of debt before any justice of the peace in the county of Kent, Bristol, or Providence; one-third thereof to and for the use of the person who shall sue and prosecute for the same, and the other two-thirds to be paid to the collector of the customs within whose district the offence shall be committed, for the use of the United States.

SEC. 3. The captain, owner, or owners of every ship or vessel that shall by running against either of the buoys at the north or south ends of Goat Island, or at the entrance of Bristol Harbor, near Castle Island, or shall otherwise injure the beacon on said island or any other buoy placed, or hereafter to be placed at the expense of the United States, in any of the waters of the Narragansett Bay, south of Kinnimicut Point, or the stakes on said point, or in any way injure, destroy, or remove the chains or anchors by which they are or shall be moored, shall forfeit and pay a sum not exceeding thirty-six dollars, nor less than twelve dollars, to be recovered by an action of debt before any court proper to try the same in the county of Kent or Newport; to be distributed, paid, and appropriated in the manner hereinbefore pointed out.

CONNECTICUT.

[GENERAL STATUTES, REVISION OF 1888—SECTION 3250.]

Every person who shall moor any boat or vessel of any kind or name whatsoever, or any raft or part of a raft to any buoy, beacon, or floating guide placed in the waters of this State by authority of the United States Light-House Board, or shall in any manner make fast thereto any boat, vessel, raft, or part of a raft, unless his life or the safety of the vessel in which he is is endangered by the perils of the sea, or shall wilfully remove, damage, or destroy any such buoy, beacon, or floating guide, or shall cut down, remove, or destroy any beacon erected on land in this State by said authority, shall forfeit not more than two hundred nor less than twenty-five dollars, one-half to him who shall sue therefor, and one-half to the State.

NEW YORK.

[As AMENDED BY LAWS OF 1858—CHAPTER 226.]

The People of the State of New York, represented in Senate and Assembly, do enact as follows :

• • • • •

SEC. 12. Any person mooring any vessel to any of the buoys or beacons placed in the harbor of New York by the United States Light-House Board, or in any manner hanging on with a boat or vessel to any such buoy or beacon in said harbor, shall forfeit and pay to the commissioners of the port the sum of fifty dollars for every offense; and any person who shall wilfully remove any such buoy or beacon shall be deemed guilty of a misdemeanor, and in addition to the punishment which may be therefor inflicted, he shall forfeit and pay to the said commissioners the sum of two hundred and fifty dollars for every offense.

NEW JERSEY.

[SENATE No. 320.]

AN ACT for the protection of buoys and beacons.

1. *Be it enacted by the Senate and General Assembly of the State of New Jersey, That* any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or part of a raft, to any buoy or beacon placed in the waters of New Jersey by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft, or part

of a raft, to any such buoy or beacon, or shall wilfully remove, damage, or destroy any such buoy or beacon or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, shall, for every such offence, be deemed guilty of a misdemeanor, and upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or by imprisonment not to exceed three months; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board, to be used in the repairing the said buoys and beacons.

2. *And be it enacted*, That the cost of repairing or replacing any such buoy or beacon which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever, having been made fast to any such buoy or beacon, shall, when the same shall be legally ascertained, be a lien upon any such vessel or raft, and may be recovered, against said vessel or raft, and the owner or owners thereof, in an action of debt in any court of competent jurisdiction in this State.

3. *And be it enacted*, That this act shall take effect immediately.

Approved, April 3, 1873.

PENNSYLVANIA.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of Pennsylvania.

Be it enacted by the General Assembly of the State of Pennsylvania :

SECTION 1. That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or any part of a raft, to any buoy, beacon, or day-mark, placed in the waters of Pennsylvania by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel, or raft, or part of a raft, to any such buoy, beacon, or day-mark, or shall wilfully remove, damage, or destroy any such buoy, beacon or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on lands in this State by the authority of the said United States Light-House Board, or having, through unavoidable accident, run down, dragged from its position, or in any way injured any buoy, beacon, or day-mark, as aforesaid, and shall fail to give notice, as soon as practicable of having done so, to the Light-House Inspector of the district in which said buoy, beacon, or day-mark may be located, or to the board of wardens for the port of Philadelphia, shall, for every such offence, be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or imprisonment not to exceed three months, or both, at the discretion of the court; one-third of the fine in each case shall be paid to the informer and two-thirds thereof to the Light-House Board, to be used in repairing the said buoys or beacons.

SEC. 2. It shall be unlawful for any vessel to anchor on the range-line of any range-lights established by the United States Light-House Board in this State; and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars, one-half of the fine in each case to be paid to the informer and one-half to the State.

SEC. 3. The cost of repairing or replacing any such buoy, beacon, or day-mark, which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever, having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against said vessel or raft, and the owner or owners thereof, in an action of debt, in any court of competent jurisdiction in this State.

SEC. 4. This act shall take effect immediately.

Approved, May 13, 1879.

DELAWARE.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of Delaware.

SECTION 1. *Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met, and it is hereby enacted by the authority of the same,* That any person or persons who shall moor any vessel, or vessels of any kind or name whatsoever, or any raft or any part of a raft, to any buoy or beacon or day-mark placed in the waters of Delaware by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft, or part of a raft, to any such buoy, beacon, or day-mark, or shall wilfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, or having, through unavoidable accident, run down, dragged from its position, or in any way injured any buoy, beacon, or day-mark, as aforesaid, and shall fail to give notice, as soon as practicable, of having done so, to the light-house inspector of the district in which said buoy, beacon, or day-mark may be located, shall, for every such offence, be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars or by imprisonment not to exceed three months; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board, to be used in repairing the said buoys or beacons.

SEC. 2. It shall be unlawful for any vessel to anchor on the range-line of any range-lights established by the United States Light-House Board in this State, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and, upon conviction thereof, before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars; one-half of the fine in each case to be paid to the informer and one-half to the State.

SEC. 3. The cost of repairing or replacing any such buoy, beacon, or day-mark, which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against such vessel or raft, and the owner or owners thereof, in an action of debt in any court of competent jurisdiction in this State.

SEC. 4. This act shall take effect immediately.

Passed at Dover, March 26, 1879.

MARYLAND.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of Maryland.

SECTION 1. *Be it enacted by the General Assembly of the State of Maryland,* That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or any part of a raft, to any buoy, beacon, or day-mark, placed in the waters of Maryland by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft, or any part of a raft, to any such buoy, beacon, or day-mark, or shall wilfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, or, through unavoidable accident, run down, drag from its position, or in any way injure any buoy, beacon, or day-mark as aforesaid, and shall fail to give notice as soon as practicable of having done so to the light-house inspector of the district in which such buoy, beacon, or day-mark may be located, or to the collector of the port, or, if in charge of a pilot, to

the collector of the port from which he comes, shall, for every such offense, be deemed guilty of a misdemeanor, and, upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or by imprisonment not to exceed three months, or both, at the discretion of the court; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board, to be used in repairing the said buoys and beacons.

SEC. 2. *Be it enacted*, That it shall be unlawful for any vessel to anchor on the range-line of any range-lights established by the United States Light-House Board in this State, unless such anchorage is unavoidable, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and, upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars; one-half of the fine in each case to be paid to the informer, and one-half to the State.

SEC. 3. *And be it enacted*, That the cost of repairing or replacing any such buoy, beacon, or day-mark which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever, having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against said vessel or raft, and the owner or owners thereof, in an action of debt in any court of competent jurisdiction in this State.

SEC. 4. *And be it enacted*, That this act shall take effect immediately.

Approved, March 3, 1882.

AN ACT to repeal chapter 405 of the Acts of the General Assembly of Maryland, passed at the January session, 1870, entitled "An act to protect the Craighill Channel at the mouth of the Patapsco River," and re-enact said act with amendments so as to provide for the protection of the Craighill Channel and the cut-off between the Brewerton and Craighill channels at the mouth of the Patapsco River.

SECTION 1. *Be it enacted by the General Assembly of Maryland*, That chapter 405 of the acts of the General Assembly of Maryland, passed at the January session in 1870, entitled "An act to protect the Craighill Channel at the mouth of the Patapsco River," be and the same is hereby repealed and re-enacted so as to read as follows: That any person or persons dragging, raking, or dredging for oysters within five hundred yards of either edge of the new channel at the mouth of the Patapsco River known as the "Craighill Channel" extending from the Seven-foot Knoll to the mouth of the Magothy River, or within five hundred yards of either edge of the cut-off connecting the Brewerton and Craighill channels, shall forfeit his or their boat or vessel, and it shall be lawful for any justice of the peace of the county or city in which such person or persons shall be arrested to try such person or persons, and on conviction to condemn said boat or vessel, and sell the same on five days' notice, and fine the said offender or offenders a sum not less than five dollars nor more than twenty-five dollars for each and every offence, and the said justice of the peace shall pay over one-half of said fines and forfeitures to the informer, and the other half to the school board of said county or city.

SEC. 2. *And be it enacted*, That this act shall take effect from the date of its passage.

Approved, February 17, 1882.

VIRGINIA.

AN ACT for the protection of aids to navigation, established by the authority of the U. S. Light-House Board within the State of Virginia.

1. *Be it enacted by the general assembly of Virginia*, That any person or persons who shall moor any vessel or vessels of any kind or name whatsoever, or any raft or any part of a raft to any buoy, beacon, or day-mark placed in the waters of Virginia by the authority of the United States

Light-House Board, or shall in any manner hang on with any vessel or raft, or any part of a raft, to any such buoy, beacon, or day-mark, or shall willfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon or beacons erected on land in this State by the authority of the said United States Light-House Board, or through unavoidable accident, run down, drag from its position, or in any way injure any buoy, beacon, or day-mark as aforesaid, and shall fail to give notice as soon as practicable of having done so to the light-house inspector of the district in which said buoy, beacon, or day-mark may be located, or to the collector of the port, or if in charge of a pilot to the collector of the port from which he comes, shall for every such offence be deemed guilty of a misdemeanor, and upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed two hundred dollars, or by imprisonment not to exceed three months, or both, at the discretion of the court; one-third of the fine in each case shall be paid to the informer, and two-thirds thereof to the Light-House Board to be used in repairing the said buoys and beacons.

2. That it shall be unlawful for any vessel to anchor on the range of any range-lights established by the United States Light-House Board, unless such anchorage is unavoidable, and the master of any vessel so anchoring shall be deemed guilty of a misdemeanor, and upon conviction thereof before any court of competent jurisdiction, shall be punished by a fine not to exceed fifty dollars; one-half of the fine in each case to be paid to the informer, and one-half to the State.

3. That the cost of repairing or replacing any such buoy, beacon, or day-mark which may have been misplaced, damaged, or destroyed by any vessel or raft whatsoever having been made fast to any such buoy, beacon, or day-mark, shall, when the same shall be legally ascertained, be a lien upon such vessel or raft, and may be recovered against said vessel or raft, and the owner or owners thereof in an action of debt in any court of competent jurisdiction in this State.

4. Any person having charge of any raft passing any buoy, beacon, or day-mark which shall not exercise due diligence in keeping clear of it, or if unavoidably fouling it, shall not exercise due diligence in clearing itself without dragging from its position such buoy, beacon, or day-mark, shall be guilty of a misdemeanor, and upon conviction shall be punished by fine not to exceed fifty dollars.

5. That this act shall be in force from and after its passage.

Approved, May 21, 1887.

NORTH CAROLINA.

AN ACT for the protection of the aids to navigation established by the authority of the United States Light-House Board within the State of North Carolina.

The General Assembly of North Carolina do enact :

SECTION 1. That any person who shall moor any vessel of any kind or name whatsoever, or any raft or any part of a raft, to any buoy, beacon, or day-mark placed in the waters of North Carolina by the authority of the United States Light-House Board, or shall in any manner hang on with any vessel or raft or part of a raft to any such buoy, beacon, or day-mark, or shall willfully remove, damage, or destroy any such buoy, beacon, or day-mark, or shall cut down, remove, damage, or destroy any beacon erected on land in this state by the authority of the United States Light-House Board, or through unavoidable accident run down, drag from its position, or in any way injure any buoy, beacon, or day-mark, as aforesaid, and shall fail to give notice as soon as practicable of having done so to the light-house inspector of the district in which said buoy, beacon, or day-mark may be located, or to the collector of the port, or, if in charge of a pilot, to the collector of the port from which he comes, shall, for every such offence, be guilty of a misdemeanor, and shall be punished by a fine not to exceed two hundred dollars, or imprisoned not to exceed three months, or both, at the discretion of the court.

SEC. 2. That it shall be unlawful for any vessel to anchor on the range line of any range of lights established by the United States Light-House Board, unless such anchorage is unavoidable, and the master of any vessel so anchoring shall be guilty of a misdemeanor, and shall be punished by a fine not to exceed fifty dollars.

SEC. 3. Any person having charge of any raft passing any buoy, beacon, or day-mark, which shall not exercise due diligence in keeping clear of it, or, if unavoidably fouling it, shall not exercise due diligence in clearing itself without dragging from its position such buoy, beacon, or day-mark, shall be guilty of a misdemeanor, and, upon conviction, shall be punished by fine not to exceed fifty dollars.

SEC. 4. That this act shall be in force from and after its ratification.

Ratified the 22d day of February, 1883.

FLORIDA.

CHAPTER 2.

AN ACT passed by the legislature of the State of Florida, for the protection of beacons and buoys.

SECTION 1. If any person or persons shall, maliciously or without authority, cut down, remove, or destroy any beacon or beacons, buoy or buoys, erected by any commission of pilotage, or by any other person or persons duly authorized for that purpose, he, she, or they shall, on conviction, be fined not exceeding one thousand dollars, or whipped not exceeding thirty-nine stripes, at the discretion of the jury.

Approved, July 28, 1847.

LIST
OF
LIGHTS AND FOG SIGNALS ON THE ATLANTIC AND GULF COASTS
OF THE
UNITED STATES.

CORRECTED TO JANUARY 1, 1893.

FIRST DISTRICT.

MAINE.

Number.	Name.	Location.	Latitude, north, Longitude, west.		Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
1	Whitlocks Mill	At the edge of the S. bank of St. Croix River, about 2½ miles below Calais, Me., 500 feet above Whitlocks Mill and directly opposite Hills Point at the Narrows.	45 09 (47) 67 13 (41)	"	Fixed red.....	Tub'lar lantern.	29	-----
2	St. Croix River	On Dochet Island, opposite Red Beach, Me.	45 07 44 67 08 03		Fixed white, varied by a white flash every 30 sec.	5	71	12½
3	Lubec Channel	About 1 mile to the southward of Lubec, on westerly edge of the dredged channel from Quoddy Roads to Lubec, Me.	44 50 32 66 58 39		Flashing white, every 15 sec.	5	52½	12½
4	WEST QUODDY HEAD.....	On SW. side of West Quoddy Head, SW. side of entrance to Quoddy Roads, Me.	44 48 55 66 57 04		Fixed white	3	80½	14½
5	Little River	On an island at the mouth of Little River (Cutler) Harbor, Me.	44 39 03 67 11 34		Fixed white, varied by a white flash every 90 sec.	5	57	13
6	AVERY ROCK	On Avery Rock, in Machias Bay, Me....	44 39 16 67 20 41		Fixed red.....	5	55	8½
7	LIBBY ISLANDS.....	On SW. end of the southwesterly of the Libby Islands, entrance to Machias Bay, Me.	44 34 06 67 22 04		Fixed white	4	91	15½
8	MOOSE PRAK	On easterly point of Mistake Island, seacoast of Maine.	44 38 28 67 31 57		Flashing white, every 30 sec.	2	72	14
9	MOOSABEE REACH.....	On N. side of easterly entrance to the Reach, Me.	44 31 (46) 67 33 (56)		Fixed red.....	Lens lantern	20	-----
10	NASH ISLAND.....	On W. side of island off the E. side of the mouth of Pleasant Bay, Me.	44 27 52 67 44 52		Fixed red.....	4	49½	11½
11	NARRAGUAGUS	On E. side of Pond Island, at the entrance to Narraguagus Bay, Me.	44 27 31 67 49 54		Fixed white	5	54	12½
12	PETIT MANAN	On E. point of Petit Manan Island, Me..	44 22 03 67 51 51		Fixed white, varied by a white flash every 2 minutes.	2	123	16
13	Prospect Harbor.....	On Prospect Harbor Point, Gouldsboro, on the eastern side of the entrance to the harbor, Me.	44 24 (12) 68 00 (48)		Flashing alternately red and white; interval between flashes, 30 sec.	5	41½	11½
14	Winter Harbor	On S. point of Mark Island, W. side of entrance to the harbor, Me.	44 21 41 68 05 18		Fixed white	5	37	11½
15	MOUNT DESERT.....	On Mount Desert Rock, about 20 miles to southward of Mount Desert Island, Me.	43 58 06 68 07 44		Fixed white.....	3	75	14½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

MAINE.

FIRST DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
1	Lantern suspended from a pole		1892			Mark Point (Canadian), ENE. $\frac{1}{2}$ E., nearly 1 mile. <i>Light maintained only during the season of navigation.</i>								
2	Lantern on white dwelling	31	1857		Bell struck by hand in answer to signals.	A guide to the entrance to St. Croix River.								
3	Conical brown tower; lantern, black; on black cylindrical foundation pier expanding in trumpet-shape under main gallery; gallery covered by roof.		1890		Bell struck by machinery, every 10 sec.	Guide to Lubec Narrows.								
4	Tower, painted with red and white horizontal stripes, and connected with a white dwelling by a workroom. A white brick fog-signal house, 80 feet SW. from tower.	42	1808	1858	10-inch steam whistle; blasts 8 sec.; silent intervals 52 sec. If whistle be disabled a bell will be rung by hand.	Whistle sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>8 sec.</td><td>52 sec.</td><td>8 sec.</td><td>52 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	8 sec.	52 sec.	8 sec.	52 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
8 sec.	52 sec.	8 sec.	52 sec.											
5	Brown tower, detached from white frame dwelling. White pyramidal bell tower, about 200 feet SSE.	35	1847	1876	Bell struck by machinery, every 30 sec.	A guide to Little River (Cutler) Harbor.								
6	Square white tower, rising from middle of square white dwelling. Bell-tower and boathouse near by.	34	1875		Bell struck by machinery, every 11 sec.	Libby Islands Light, SSW. $\frac{1}{2}$ W., $5\frac{1}{2}$ miles; Round Island, N. $\frac{1}{2}$ W., 1 mile.								
7	Gray granite tower, detached from white dwelling and rain shed. White fog-signal house on S. point of island.	36	1822		10-inch steam whistle; blasts 4 sec., alternate silent intervals of 4 sec. and 18 sec.	A guide to Machias Bay and to the entrance to Englishman Bay from the eastward. Whistle sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>4 sec.</td><td>4 sec.</td><td>4 sec.</td><td>18 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	4 sec.	4 sec.	4 sec.	18 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
4 sec.	4 sec.	4 sec.	18 sec.											
8	White tower, with brick annex and a covered way extending nearly to a white dwelling.	45 $\frac{1}{2}$	1826		Hand bell rung in answer to signals.	Guide to western entrance of Englishman Bay and to Head Harbor.								
9	Lantern suspended from red iron spinule.		1891			Guide to Moosabec Reach. <i>Light maintained only during the season of navigation.</i>								
10	Square white tower and dwelling, connected by a porch and workroom. A pyramidal bell tower at NW. side of tower.	29 $\frac{1}{2}$	1838	1873	Bell struck by machinery, a double and a single blow, alternately, with intervals of 20 sec.	A guide to Pleasant River, Cape Split Harbor, and the western entrance to Moosabec Reach.								
11	White tower, connected with white dwelling by a workroom.	30 $\frac{1}{2}$	1853		Bell struck by hand in answer to signals.	Guide to Narraguagus Bay.								
12	Gray granite tower, with cluster of white buildings near. White fog-signal house on the S. point of the island.	107	1817	1855	10-inch steam whistle, blasts 5 sec., alternate silent intervals of 8 and 42 sec. If whistle be disabled, a bell will be rung by hand.	Whistle sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>5 sec.</td><td>8 sec.</td><td>5 sec.</td><td>42 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	5 sec.	8 sec.	5 sec.	42 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
5 sec.	8 sec.	5 sec.	42 sec.											
13	White, conical, shingled tower, 25 feet S. from a white dwelling.	31 $\frac{1}{2}$	1848	1891	Hand bell rung in answer to signals.	In running for the harbor bring the light to bear N. $\frac{1}{2}$ E.								
14	White tower and dwelling, connected by workroom and porch.	19	1856		Hand bell rung in answer to signals.	Guide to Winter and Mosquito Harbors.								
15	Gray granite tower. Two white dwellings near. Pyramidal skeleton bell-tower, about 275 feet SSW. of tower.	51	1830	1857	3d.-class Daboll trumpet, blast 7 sec., silent intervals 40 sec. If trumpet be disabled, a bell will be rung by hand.	About 26 miles from Petit Manan Light, and 34 miles from Matinicus Rock Lights. Trumpet sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>7 sec.</td><td>40 sec.</td><td>7 sec.</td><td>40 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	7 sec.	40 sec.	7 sec.	40 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
7 sec.	40 sec.	7 sec.	40 sec.											

FIRST DISTRICT.

MAINE.

Number.	Name.	Location.	Latitude, north, Longitude, west.			Characteristic of light.	Order of light.	Height of light above mean high water, in feet.		Distance visible, in nau- tical miles.
			°	'	"					
16	EGG ROCK	On Egg Rock, Frenchman Bay, Me	44 08	21 08	(15) (19)	Fixed red	5	64	8½	
17	Crabtree Ledge.....	On Crabtree Ledge, Frenchman Bay, about ¼ mile off easterly shore of Crab- tree Neck, Me.	44 08	28 13	20 18	Fixed white, varied by a white flash every 2 minutes.	5	48½	12½	
18	BAKER ISLAND.....	About the center of Baker Island, off Mount Desert Island, and south-west- erly of the entrance to Frenchman Bay, Me.	44 08	14 11	29 58	Fixed white, varied by a white flash every 90 sec.	4	105	16	
19	GREAT DUCK ISLAND.....	On southerly extremity of Great Duck Island, Me.	44 08	08 14	32 47	Flashing red every 10 sec.	5	66½	13½	
20	Bear Island	On one of the Cranberry Islands, SE. of the entrance to Northeast Harbor, Me.	44 08	17 16	(00) (14)	Fixed white.....	5	99½	12½	
21	Bass Harbor Head.....	East side of entrance to Bass Harbor, Me	44 08	13 20	19 16	Fixed red.....	5	56	8½	
22	Burnt Coat Harbor	On Hockamock Head, SW. side of Swan Island, Me.	44 08	08 26	03 52	Fixed white	4	75	14½	
23	Blue Hill Bay.....	On Green Island, W. side of Blue Hill Bay, Me.	44 08	14 29	55 54	Fixed white	5	26	10½	
24	SADDLEBACK LEDGE	Three miles westerly from Western Head, Isle au Haut, and on W. side of entrance to the bay, Me.	44 08	00 43	52 37	Fixed white	5	54	12½	
25	Deer Island Thoroughfare.....	On Mark Island, western entrance to Deer Island Thoroughfare, Me.	44 08	08 42	04 14	Fixed white	4	52	12½	
26	Goose Rocks.....	On Goose Rocks ledge, on northerly side of main easterly entrance to Fox Island Thoroughfare, Me.	44 08	08 49	(08) (52)	Fixed red, with a fixed white sector be- tween NW. ¼ W. and NW. ¾ N.	5	50½	12½	
27	Eagle Island	On a bluff head, at NE. extremity of Eagle Island, Me.	44 08	13 46	04 06	Fixed white	4	106	16	
28	Pumpkin Island	On NW. side of island, westerly en- trance to Eggemoggin Reach, Me.	44 08	18 44	23 36	Fixed white	5	27	10½	
29	HERON NECK	On S. point of Green Island, the south- ernmost of the Fox Islands, Me.	44 08	01 51	31 45	Fixed red.....	5	92	8½	
30	MATINICUS ROCK (N. light).....	On Matinicus Rock, off southern en- trance to Penobscot Bay, Me.	43 08	47 51	(03) (21)	Fixed white	3	85	15	
31	MATINICUS ROCK (S. light).....	On Matinicus Rock, Me., 180 feet SSE. from the preceding.	43 08	47 51	01 20	Fixed white	3	90	15½	
32	WHITEHEAD	On E. end of Whitehead Island, W. en- trance to Penobscot Bay, Me.	43 09	58 07	43 30	Fixed white	3	74½	14½	

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

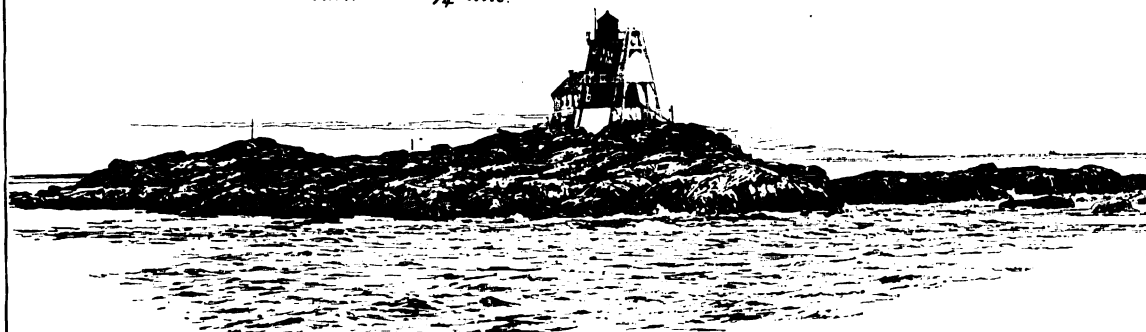
West Quoddy Head Light Station Me.
North — $\frac{1}{4}$ mile.



Mount Desert Rock Light Station Me.
S. E. by E — $\frac{1}{4}$ mile.



Saddleback Ledge Light Station Me.
N. N. E. — $\frac{1}{4}$ mile.



Mt. Matinicus Rock Light Station Me.
N. E. $\frac{1}{2}$ E — $\frac{1}{4}$ mile.





MAINE.

FIRST DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
16	Square white tower, rising from middle of square white dwelling. Bell tower close to SW. side of dwelling.	34	1875		Bell struck by machinery, a double blow every 20 sec.	Guide to Frenchman Bay. Bar Harbor, NW. $\frac{1}{2}$ N. $3\frac{1}{2}$ miles; Baker Island Light, SSW. $\frac{1}{2}$ W., $7\frac{1}{2}$ miles.								
17	Black cylindrical foundation pier, surmounted by a brown conical tower. A gallery, with roof, surrounds base of tower.		1890		Bell struck by machinery, every 10 sec.	Guide to Sullivan Harbor and Mount Desert Ferry.								
18	White tower and dwelling, connected by workroom.	37	1828	1855		Guide on the coast and to Frenchman Bay and Southwest Harbor.								
19	Cylindrical brick tower, near brick fog-signal house and rain shed, and about 250 feet southerly from row of three white dwellings.	35 $\frac{1}{2}$	1890		10-inch steam whistle; blasts 3 sec., silent intervals 17 sec.	Whistle sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>3 sec.</td><td>17 sec.</td><td>3 sec.</td><td>17 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	3 sec.	17 sec.	3 sec.	17 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
3 sec.	17 sec.	3 sec.	17 sec.											
20	Tower with workroom annexed, painted white, and brown frame dwelling. White pyramidal bell tower near brow of hill, about 200 feet SSE. of tower.	24 $\frac{1}{2}$	1839	1899	Bell struck by machinery, every 15 sec.	Guide to Northeast and Southwest Harbors, and to Somes Sound.								
21	White tower and dwelling, connected by porch.	26	1858		Bell struck by hand in answer to signals.	Guide to Bass Harbor, Mount Desert Island, and over Bass Harbor Bar to Blue Hill Bay.								
22	Two square white towers, connected by a covered way. Light exhibited from rear tower. White dwelling connected with tower.	32 $\frac{1}{2}$	1872		Hand bell rung in answer to signals.	Burnt Coat is a good harbor of refuge, and is capable of sheltering a large number of vessels.								
23	White tower and dwelling, connected by workroom.	22	1856		Hand bell rung in answer to signals.	Guide to Blue Hill and Ellsworth.								
24	Gray granite tower with white base. White frame building attached, and a pyramidal skeleton bell tower on S. side.	36	1839		Bell struck by machinery, every 10 sec.	A guide to the entrance to East Penobscot Bay. Dangerous ledges for nearly the whole distance between this light and Carvers Harbor.								
25	Square white tower, attached to a white dwelling. Fog-bell tower red.	26	1857		Bell struck by machinery, a double blow every 15 sec.	A guide to the western entrance to Deer Island Thoroughfare.								
26	Black cylindrical foundation pier, surmounted by a brown conical tower. A gallery, with roof, surrounds base of tower.		1890		Bell struck by machinery, a single and a double blow alternately, intervals 20 sec.									
27	White tower, dwelling attached	28	1837	1858	Hand bell rung in answer to signals.	Guide through the main channel of East Penobscot Bay.								
28	White tower and dwelling, connected by a workroom.	24 $\frac{1}{2}$	1854		Hand bell rung in answer to signals.	Guide to Eggemoggin Reach from the W.								
29	White tower, attached to the end of a white dwelling.	22	1853		Hand bell rung in answer to signals.	Guide to Carvers Harbor and Hurricane Sound.								
30	Two towers, with one dwelling of granite, natural color, and two dwellings of wood, painted white. A brick fog-signal house and a brick oil house SW. of and near south tower.	52	1827	1857	10-inch steam whistle; blasts 5 sec., silent intervals 25 sec. If whistle be disabled, a bell will be struck by hand.	This station is 34 miles from Mount Desert Light and 43 miles from Seguin Light. Whistle sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>5 sec.</td><td>25 sec.</td><td>5 sec.</td><td>25 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	5 sec.	25 sec.	5 sec.	25 sec.
<u>Blast,</u>		<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>										
5 sec.	25 sec.	5 sec.	25 sec.											
31	41	1827	1857											
32	Gray granite tower, brick service room attached, near a white frame dwelling. Brick fog-signal house about 115 feet S. of dwelling. Signal Service flagstaff to northwestward of tower.	34	1804	1852	10-inch steam whistle; blasts 4 sec., silent intervals 26 sec. If whistle be disabled, a bell will be rung by hand.	Guide to the entrance to Muscle Ridge Channel, West Penobscot Bay. There is a signal display and a life-saving station here. Whistle sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>4 sec.</td><td>26 sec.</td><td>4 sec.</td><td>26 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	4 sec.	26 sec.	4 sec.	26 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
4 sec.	26 sec.	4 sec.	26 sec.											

* Discontinued, 1883; relighted, 1888.

FIRST DISTRICT.

MAINE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
33	Owls Head	On the W. side of Penobscot Bay, S. side of entrance to Rockland Harbor, Me.	44 05 32 69 02 40	Fixed white	4	105	16
34	Rockland Breakwater	On end of breakwater, making out from Jameson Point, N. side of entrance to Rockland Harbor, Me.	44 06 (39) 69 04 (49)	Two fixed red	Lens { 23 } lanterns { 29 }		
35	Browns Head	On the southern of the Fox Islands, W. entrance to Fox Island Thoroughfare, Me.	44 06 42 68 54 36	Fixed white, with two fixed red sectors; SW. red sector between N. by E. $\frac{1}{2}$ E. and NE. by E. $\frac{1}{2}$ E.; westerly red sector between ENE. $\frac{1}{2}$ E. and ESE. $\frac{1}{2}$ E.	5	39	11 $\frac{1}{2}$
36	Indian Island	On the southerly point of Indian Island, E. side of entrance to Rockport Harbor, Me.	44 09 (55) 69 03 (23)	Fixed red	5	47	8 $\frac{1}{2}$
37	Negro Island	On E. end of island, S. side of the entrance to Camden Harbor, Me.	44 12 05 69 02 57	Fixed white	4	53	12 $\frac{1}{2}$
38	Grindel Point	On the N. side of the entrance to Gilkey Harbor, Me.	44 16 54 68 56 36	Fixed white	5	38 $\frac{1}{2}$	11 $\frac{1}{2}$
39	Dice Head	North side of entrance to Castine Harbor, Me.	44 22 58 68 49 11	Fixed white	4	130	17 $\frac{1}{2}$
40	Fort Point	On SE side of Old Fort Point, at mouth of Penobscot River, Me.	44 28 02 68 48 44	Fixed white	4	103	16
41	Tennant Harbor	On E. end of Southern Island, entrance to Tennant Harbor, Me.	43 57 40 69 11 07	Fixed red, varied by a red flash every minute.	5	69	10
42	Marshall Point	East side of entrance to Herring Gut or St. George Harbor, Me.	43 58 03 69 15 42	Fixed white	5	29 $\frac{1}{2}$	10 $\frac{1}{2}$
43	MONHEGAN ISLAND	Near the center of Monhegan Island, Me.	43 45 53 69 18 59	Flashing white every minute.	2	175	19 $\frac{1}{2}$
44	Manana Island Fog-Signal Station.	On the W. side of Manana Island, close to Monhegan Island, Me.	43 45 47 69 19 37				
45	Franklin Island	On the NW. side of the island in Muscongus Bay, and W. of entrance to St. George River, Me.	43 53 32 69 22 31	Fixed white, varied by a white flash every 90 sec.	4	54	12 $\frac{1}{2}$
46	PEMAQUID POINT	On SE. point of Pemaquid Neck, at the SW. entrance to Muscongus Bay, and E. of entrance to Johns Bay, Me.	43 50 13 69 30 23	Fixed white	4	78 $\frac{1}{2}$	14 $\frac{1}{2}$
47	Ram Island	On Ram Island, entrance to Boothbay Me.	43 48 (14) 69 35 (54)	Fixed red, with two fixed white sectors: easterly white sector between W. $\frac{1}{2}$ N. and W. $\frac{1}{2}$ N.; westerly white sector between NE. $\frac{1}{2}$ N. and NE. by E. $\frac{1}{2}$ E.	4	35 $\frac{1}{2}$	11 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

MAINE.

FIRST DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
33	White tower, detached from a white dwelling. Fog-signal house on bluff 100 feet N.E. of light-house.	20	1825		Bell struck by machinery every 15 sec. If machinery be disabled, a bell will be rung by hand.	Guide to Rockland Harbor.								
34	Lanterns, hung one vertically above the other on a wooden mast on top of pyramidal stone beacon surmounted by wooden gallery.	18	1888			Guide into Rockland Harbor. The partial filling of the breakwater slopes from the beacon to the south for 100 feet, beyond which the channel is clear.								
35	Cylindrical white tower and dwelling attached.	23½	1832	1856	Bell struck by hand in answer to signals.	Guide to Fox Island Thoroughfare. The WHITE sector between N.E. by E. ½ E. and E.N.E. ½ E., defines the channel between Fiddler Ledge on the N. and the Inner Bay Ledges on the S. Vessels entering or leaving the western entrance of the thoroughfare will clear both these dangers by keeping in the white light.								
36	Square white tower, with white dwelling SW. of and close to it.	30½	1850	1874	Hand bell rung in answer to signals.	Guide to Rockport Harbor.								
37	White tower and dwelling, covered way extending nearly to dwelling.	26	1835		Hand bell rung in answer to signals.	Guide in the bay and to Camden Harbor.								
38	Square white tower and dwelling, connected by a covered way.	32½	1850	1874	Hand bell rung in answer to signals.	Guide in the bay and to Gilkey Harbor.								
39	White tower and dwelling, connected by a workroom.	45	1828	1856	Bell struck by hand in answer to signals.									
40	Square white tower and dwelling, connected by a workroom; pyramidal white bell tower about 250 feet E.N.E. of light-house.	26	1836	1857	Bell struck by machinery every 10 sec.	Marks the entrance to Penobscot River.								
41	White tower and dwelling, connected by a workroom.	26	1857		Hand bell rung in answer to signals.									
42	White tower, with a covered way extending nearly to white dwelling.	25½	1832	1857	Hand bell rung in answer to signals.									
43	Gray granite tower with brick service room attached, connected with a white dwelling by white covered way. Another white dwelling stands to the southward of the tower.	36	1824	1851		This station is 23 miles from Matinicus Rock Lights and 20 miles from Seguin Light. When within 3 miles of the island the light is obscured by high-land, when bearing between W. ½ S. and SW. ½ W.								
44	A brick fog-signal house, with a white dwelling near.		1870		1st-class Daboll trumpet; blasts 15 sec., silent intervals 40 sec. If trumpet be disabled, a bell will be struck by hand.	Trumpet sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>15 sec.</td><td>40 sec.</td><td>15 sec.</td><td>40 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	15 sec.	40 sec.	15 sec.	40 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
15 sec.	40 sec.	15 sec.	40 sec.											
45	White tower and dwelling, connected by a workroom.	37	1806	1855	Hand bell rung in answer to signals.	Guide to Thomaston. Light to be left on starboard hand going in from the westward.								
46	White tower and dwelling, connected by a workroom.	32	1827	1857	Hand bell rung in answer to signals.	Guide to Johns Bay, Muscongus Bay, and the approaches to St. George River.								
47	Tower of granite to height of 20 feet, white above; connected with shore by an open bridge. White dwelling on shore near end of bridge.	39½	1883			Guide to Fisherman Island Passage. In entering from sea, mariners should keep within the white light, by which they will avoid all dangers.								

FIRST DISTRICT.

MAINE.

Number.	Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
48	Burnt Island	On SE. part of the island, W. side of the entrance to Boothbay Harbor, Me.	43 49 31 69 38 27	Fixed red, with two fixed white sectors; SE. white sector between NW. $\frac{1}{4}$ N. and NNW. $\frac{1}{4}$ W.; southerly white sec- tor between N. $\frac{1}{4}$ E. and N. by E. $\frac{1}{4}$ E.	4	61	13 $\frac{1}{2}$
49	Cuckolds Fog-Signal Station	On the highest part of the most easterly of the Cuckolds, about $\frac{1}{4}$ mile S. of Cape Newagen, W. side of the en- trance to Boothbay, Me.	43 46 (46) 69 39 (00)				
50	Hendricks Head	On E. side of the mouth of Sheepscot River, Me.	43 49 22 69 41 25	Flashing white, every 30 sec.	4	40	11 $\frac{1}{2}$
51	Pond Island	On E. side of the island, W. side of mouth of Kennebec River, Me.	43 44 24 69 46 15	Fixed white	5	54	12 $\frac{1}{2}$
52	SEGUIN	On the highest part of Seguin Island, off the mouth of Kennebec River, Me.	43 42 26 69 45 32	Fixed white	1	180	19 $\frac{1}{2}$
53	HALFWAY ROCK	On Halfway Rock, nearly midway be- tween Cape Small Point and Cape Elizabeth, Me.	43 39 22 70 02 14	Fixed white, varied by a red flash every 90 sec.	3	75 $\frac{1}{2}$	14 $\frac{1}{2}$
54	CAPE ELIZABETH (E. light).	On NE. part of Cape Elizabeth, Me...	43 33 56 70 12 02	Fixed white	1	128 $\frac{1}{2}$	17 $\frac{1}{2}$
55	CAPE ELIZABETH (W. light).	On Cape Elizabeth, Me., 923 feet SW. by W. from the preceding.	43 33 51 70 12 11	Fixed white, varied by a white flash every minute.	2	129 $\frac{1}{2}$	17 $\frac{1}{2}$
56	PORTLAND HEAD	On Portland Head, entrance to Portland Harbor, Me.	43 37 23 70 12 30	Fixed white	2	101	15 $\frac{1}{2}$
57	Portland Breakwater	On end of breakwater, Portland Harbor, Me.	43 39 20 70 14 07	Fixed red, varied by a red flash every 40 sec.	5	29 $\frac{1}{2}$	10 $\frac{1}{2}$
58	Wood Island	On E. end of island, N. side of southern entrance to Wood Island Harbor, off mouth of Saco River, Me.	43 27 24 70 19 46	Fixed red, varied by a red flash every min- ute.	4	70 $\frac{1}{2}$	14

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

White Head Light Station. Me.
N.W. $\frac{1}{4}$ mile



Sequin Light Station. Me.
E by N. 1 mile



Half-way Rock Light Station. Me.
SE by S $\frac{1}{4}$ mile



Cape Elizabeth Light Station. Me.
N.W. $\frac{1}{4}$ mile





MAINE.

FIRST DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
48	White tower and dwelling, connected by a covered way and porch.	25½	1821		Hand bell rung in answer to signals.	Guide to Townsend or Boothbay Harbor. In entering from sea, mariners should keep within the white light, by which they will avoid all dangers.								
49	Half-round gray stone pier, surmounted by half-round red brick fog-signal building with high conical roof, shingled, natural color. White one-and-one-half story wooden dwelling attached to pier and fog-signal building on north-westerly side, protected on easterly side, to half height of first-story windows by a bulkhead extending from stone pier to out-buildings in rear of dwelling.		1892		Daboll trumpet; blasts 3 sec., silent intervals 17 sec.	Trumpet sounds thus: <table><tr><th>Blast.</th><th>Silent interval.</th><th>Blast.</th><th>Silent interval.</th></tr><tr><td>3 sec.</td><td>17 sec.</td><td>3 sec.</td><td>17 sec.</td></tr></table>	Blast.	Silent interval.	Blast.	Silent interval.	3 sec.	17 sec.	3 sec.	17 sec.
Blast.	Silent interval.	Blast.	Silent interval.											
3 sec.	17 sec.	3 sec.	17 sec.											
50	Square white tower and dwelling; pyramidal white bell-tower, near water's edge to westward; all connected by covered ways.	30½	1829	1875	Bell struck by machinery every 20 sec.	Guide to Wiscasset.								
51	White tower and dwelling, connected by a workroom. Fog bell hung from framework, 200 feet S. of tower.	20	1821	1885	Bell struck by machinery every 8½ sec.	Guide to vessels entering the Kennebec River. To be left on port hand going in.								
52	Gray granite tower, connected with dwelling by a workroom. A brick fog-signal building and white frame dwelling about 250 feet S. of tower. Oil house, barn, and outbuildings to northward.	42	1795	1857	10-inch steam whistle; blasts 8 sec., silent intervals 52 sec. If whistle be disabled, a bell will be struck by hand.	This light is 43 miles from Matinicus Rock Lights, 47 miles from Boon Island Light, 20 miles from Monhegan Island Light, and 21 miles from Cape Elizabeth Lights. Whistle sounds thus: <table><tr><th>Blast.</th><th>Silent interval.</th><th>Blast.</th><th>Silent interval.</th></tr><tr><td>8 sec.</td><td>52 sec.</td><td>8 sec.</td><td>52 sec.</td></tr></table>	Blast.	Silent interval.	Blast.	Silent interval.	8 sec.	52 sec.	8 sec.	52 sec.
Blast.	Silent interval.	Blast.	Silent interval.											
8 sec.	52 sec.	8 sec.	52 sec.											
53	Gray granite tower, with frame boat-house attached on NW. side. Pyramidal skeleton bell tower to SW. of tower, and elevated pyramidal oil house northwesterly of it.	65½	1871		Bell struck by machinery every 10 sec.	Sequin Light, E. ½ N., 12½ miles; Little Mark Island Monument, N. by E. ½ E., 9½ miles; Portland Head Light, W. ½ S., 1½ miles; Cape Elizabeth Lights, WSW., southerly, 8½ miles.								
54	Two towers painted brown, with white bases. A white dwelling connected by a covered way to each tower, and a third white dwelling near easterly tower. Red oil house about midway between towers. White fog-signal house on extreme E. point of the cape, about 300 yards from E. tower. Life-saving station near fog-signal house.	55½	1828	1874	2d-class steam siren; blasts 5 sec., alternate silent intervals of 8 sec. and 42 sec. If siren be disabled, a 12-inch steam whistle will be sounded.	There is a life-saving station here. Signal sounds thus: <table><tr><th>Blast.</th><th>Silent interval.</th><th>Blast.</th><th>Silent interval.</th></tr><tr><td>5 sec.</td><td>8 sec.</td><td>5 sec.</td><td>42 sec.</td></tr></table>	Blast.	Silent interval.	Blast.	Silent interval.	5 sec.	8 sec.	5 sec.	42 sec.
Blast.	Silent interval.	Blast.	Silent interval.											
5 sec.	8 sec.	5 sec.	42 sec.											
55		54½	1828											
56	White tower and dwelling, connected by a porch. White fog-signal house near the tower to the eastward.	69	1790		2d-class Daboll trumpet; blasts 8 sec., silent intervals 40 sec. If Daboll trumpet be disabled, a bell will be struck by hand.	Trumpet sounds thus: <table><tr><th>Blast.</th><th>Silent interval.</th><th>Blast.</th><th>Silent interval.</th></tr><tr><td>8 sec.</td><td>40 sec.</td><td>8 sec.</td><td>40 sec.</td></tr></table>	Blast.	Silent interval.	Blast.	Silent interval.	8 sec.	40 sec.	8 sec.	40 sec.
Blast.	Silent interval.	Blast.	Silent interval.											
8 sec.	40 sec.	8 sec.	40 sec.											
57	Brown tower, with white framed dwelling attached, on the end of the granite breakwater.	19½	1855	1875										
58	White tower and dwelling, connected by a porch. A white pyramidal bell tower, about 30 feet high, stands to the southward.	48½	1808	1858	Bell struck by machinery, a single and a double blow alternately, intervals 25 sec.	Guide to Wood Island Harbor and Saco River, Me.								

FIRST DISTRICT.

'MAINE AND NEW HAMPSHIRE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
59	Goat Island.....	On the N. side of the entrance to Cape Porpoise Harbor, Me.	43 21 28 70 25 (32)	Fixed white	6	38	11
60	CAPE NEDDICK	On northerly part of York Knubble, Cape Neddick, Me.	43 00 (55) 70 35 (29)	Fixed red	4	87½	11½
61	BOON ISLAND.....	On Boon Island, off York Harbor, Me....	43 07 17 70 28 37	Fixed white	2	133	17½
62	WHALEBACK.....	On NE. side of outer entrance to Ports- mouth Harbor, N. H.	43 03 32 70 41 49	Fixed white, varied by a white flash every 90 sec.	4	59	13
63	Portsmouth Harbor (New Castle) .	On Fort Point, SW. side of inner en- trance to Portsmouth Harbor, N. H.	43 04 16 70 42 33	Fixed white	4	45	12
64	ISLES OF SHOALS.....	On White Island, the SW. island of Isles of Shoals, southerly of entrance to Portsmouth, N. H.	42 58 02 70 37 26	Flashing alternately red and white; in- terval between flashes, 15 sec.	2	82	14½

SECOND DISTRICT.

MASSACHUSETTS.

65	Range.	Salisbury Beach (front).....	On westerly part of Salisbury Beach, N. side of mouth of Merrimack River, Mass.	42 49 (15) 70 49 (12)	Fixed red	Tub'lar lantern.	22	.....
66		Salisbury Beach (rear).....	425 feet NW. by W. in rear of the pre- ceding.	42 49 (16) 70 49 (17)	Fixed white	Tub'lar lantern.	32	.....
67		Newburyport Harbor.....	On N. end of Plum Island, S. side of mouth of Merrimack River, Mass.	42 48 55 70 49 10	Fixed white	4	50	12½
68	Range.	Upper Harbor (Outer Beacon)	On Bailey New Wharf, near E. corner ..	42 48 42 70 51 55	Fixed red	Ref'r.	25½	.....
69		Upper Harbor (Inner Beacon)	350 feet W. ¼ S. in rear of the preceding	42 48 41 70 52 00	Fixed green	Ref'r.	47½	.....
70	Range.	Ipswich.....	South side of entrance to Ipswich Har- bor on Castle Neck, about 1½ miles southeasterly from mouth of Ipswich River, Mass.	42 41 07 70 46 (00)	Fixed white, varied by a white flash every 90 sec.	5	42	11½
71		Beacon	625 feet in front of the preceding	42 41 (10) 70 45 (54)	Fixed white	Ref'r	20	.....
72		Annisquam Harbor.....	On Wigwam Point, E. side of the en- trance to the harbor, Mass.	42 39 43 70 40 55	Fixed white	5	44½	12
73		Straitsmouth	On NE. point of Straitsmouth Island, N. side of Cape Ann, Mass.	42 39 44 70 35 19	Fixed white	6	45½	11

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Portland Head Light Station Me.
West - $\frac{1}{4}$ mile



Theubble (Cape Meddick) Light Station Me.
N.N.W - $\frac{1}{4}$ mile



Boon Island Light Station Me.
NE by E $\frac{1}{4}$ mile



Isles of Shoals Light Station - Me.
S.W. by W. - $\frac{1}{2}$ mile.





MAINE AND NEW HAMPSHIRE.

FIRST DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
50	White tower, connected with a dwelling by a covered way.	25	1833	1859	Hand bell rung in answer to signals.	Harbor of refuge for vessels of light draft. Tower to be left on starboard hand going in. A point of rocks, covered at half-tide, makes out a long distance from the light-house. The entrance to the harbor is both narrow and crooked.								
51	Conical brown tower; lantern, black. White dwelling stands 50 feet N. of tower. Framework for fog signal near tower.	35	1879		Bell struck by machinery every 15 sec.	Boon Island Light, SE. $\frac{1}{2}$ E., 5 $\frac{1}{2}$ miles.								
52	Gray granite tower and dwelling, with framed, white, upper story, connected by a workroom.	122 $\frac{1}{2}$	1812		Bell rung in answer to signals.	This station is about 47 miles from Seguin Light and 29 $\frac{1}{2}$ miles from Cape Ann Lights.								
53	Gray granite tower, rising directly from the ledge. Red fog-signal tower to northward.	69	1829	1872	3d-class Daboll trumpet; blasts 10 sec., silent intervals 30 sec.	Trumpet sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>10 sec.</td><td>30 sec.</td><td>10 sec.</td><td>30 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	10 sec.	30 sec.	10 sec.	30 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
10 sec.	30 sec.	10 sec.	30 sec.											
54	Brown tower, with white foundation, near an unfinished fort.	35	1789		Hand bell rung in answer to signals.	Marks the entrance to Portsmouth Inner Harbor. To be left on port hand going in.								
55	White tower standing alongside of the old stone tower, from which a covered way extends nearly to the white dwelling.	46	1821	1859	Hand bell rung in answer to signals.									

MASSACHUSETTS.

SECOND DISTRICT.

56	Post	12	1891	.....	} Range lights for entering the Merrimack River.
57	Post	12	1891	.....	
58	White octagonal tower; lantern, black. White dwelling and out-buildings, S. of tower, within 100 feet of it.	35	1790	.....	} These lights form a range for the upper harbor of Newburyport. The course for them leads in the best water, between the N. pier and the S. pier.
59	Brown conical tower, lantern, black...	19 $\frac{1}{2}$	1873	.....	
60	Square, pyramidal red-brick tower; lantern, black.	38 $\frac{1}{2}$	1873	.....	} These lights, in range, guide to entrance of channel across the bar, in the best water. The front beacon is movable, shifted as the channel changes. Best water at low tide, at present, 5 $\frac{1}{2}$ feet, and on the bearing ENE. and WSW.
61	White tower; lantern, black. White dwelling and barn to westward of tower.	30	1837	1880	
62	Small square white house; half of front side, black.	15	1837	.....	} A harbor of refuge for small vessels. Six feet of water on the bar at low tide.
63	White octagonal tower, connected with dwelling by a covered way, 100 feet long; lantern, black.	36	1801	.....	
64	White octagonal tower; lantern, black. Plank walk over the rocks to up-land towards a white dwelling.	32 $\frac{1}{2}$	1850	.....	A local light for Rockport and the channel inside the Salvages. To be left on the port hand when bound to Rockport or into Ipswich Bay. North tower of Cape Ann Lights, S. by E.; Avery Ledge Bell Buoy, N. by E. $\frac{1}{2}$ E., which should be left on the starboard hand when bound to Rockport or into Ipswich Bay past Halibut Point.

SECOND DISTRICT.

MASSACHUSETTS.

Number.	Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
74	CAPE ANN (N. light)	On NE. part of Thatcher Island, Mass., about $\frac{1}{2}$ mile from Cape Ann.	° ' " 42 38 21 70 34 31	Fixed white	1	161 $\frac{1}{2}$	19
75	CAPE ANN (S. light)	On E. side of Thatcher Island, Mass., 895 feet S. by W. $\frac{1}{2}$ W. from the pre- ceding.	° ' " 42 38 13 70 34 32	Fixed white	1	166 $\frac{1}{2}$	19
76	Eastern Point	East side of entrance to Gloucester Har- bor, Mass.	° ' " 42 34 49 70 39 54	Flashing red every 5 sec.	4	56 $\frac{1}{2}$	13
77	Tenpound Island	In Gloucester Harbor, on E. side of en- trance to inner harbor, Mass.	° ' " 42 36 (06) 70 39 (57)	Flashing white every 5 sec.	6	43 $\frac{1}{2}$	12
78	Baker Island	On northerly part of Baker Island, Mass.; S. side of the NE. entrance to Salem Harbor.	° ' " 42 32 12 70 47 11	Fixed white	4	111	16 $\frac{1}{2}$
79	Beacon	On northerly part of Baker Island, Mass., 40 feet NW. of the preceding.		Fixed white	4	91 $\frac{1}{2}$	15 $\frac{1}{2}$
80	Hospital Point	On Hospital Point, Beverly, N. side of Salem Harbor entrance, Mass.	° ' " 42 32 48 70 51 23	Fixed white	3 $\frac{1}{2}$	69 $\frac{1}{2}$	13 $\frac{1}{2}$
81	Fort Pickering	On line of beach, on the SE. point of Winter Island, N. side of entrance to Salem Harbor, Mass.	° ' " 42 31 36 70 53 01	Fixed white	6	28 $\frac{1}{2}$	10 $\frac{1}{2}$
82	Derby Wharf	On the end of Derby Wharf, upper part of Salem Harbor, Mass.	° ' " 42 31 00 70 53 03	Fixed red	6	22	7 $\frac{1}{2}$
83	Marblehead	On N. point of Marblehead Neck, SE. side of entrance to Marblehead Harbor, Mass.	° ' " 42 30 20 70 50 03	Fixed white	6	52 $\frac{1}{2}$	11
84	.....	.....	.....	Fixed white	Tub'lar lantern.	125 $\frac{1}{2}$	.....
85	Egg Rock	Off Nahant, $\frac{1}{2}$ mile from shore, Mass.	° ' " 42 26 01 70 53 54	Fixed red	5	85 $\frac{1}{2}$	8 $\frac{1}{2}$
86	MINOTS LEDGE	On the Outer Minot (one of the Cohasset rocks), entrance to Boston Bay, Mass.	° ' " 42 16 11 70 45 35	Fixed white	2	84 $\frac{1}{2}$	14 $\frac{1}{2}$
87	BOSTON BAY. { BOSTON	On SE. side of Little Brewster Island, N. side of main outer entrance to Bos- ton Harbor, Mass.	° ' " 42 19 41 70 53 26	Flashing white every 30 sec.	2	102	15 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Newburyport Harbor Light Station Mass
W.S.W $\frac{1}{4}$ mile



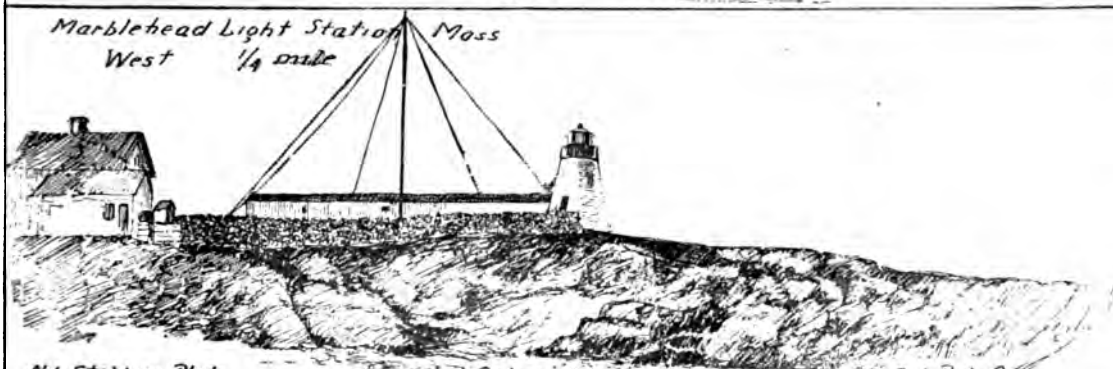
Cape Ann Light Station Mass
N.N.W. $\frac{3}{4}$ mile



Baker Island Light Station Mass
S by E $\frac{1}{2}$ mile



Marblehead Light Station Mass
West $\frac{1}{4}$ mile



N.L. Stebbins Photo

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MASSACHUSETTS.

SECOND DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
74	Two gray-stone towers; lanterns, black. Workrooms, stone-color; covered walks and northern dwelling, white; one southern dwelling, brick-color and one white. A drab house stands W. of the brick dwelling. Brick fog-signal house near easterly shore of island, and red-brick oil house about midway between towers.	112½	1790	1861	10-inch steam whistle; blasts of 8 and 4 sec.; alternate silent intervals of 4 and 44 sec.	Cape Ann forms the northernmost limit of Massachusetts Bay. These lights are 29½ miles from Boon Island Light, 23½ miles from Boston Light, and 41½ miles from Cape Cod Light. A good channel inside of the island for small vessels. From the N. tower the beacon on the Dry Salvages bears N. by E. ½ E. From the S. tower the SE. point of Milk Island bears SW. by W., and Londoner Rock Spindle, SE. by E. ½ E., nearly ½ mile.								
75		112½	1790	1861		Whistle sounds thus: <table><tr><th>Blast,</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>8 sec.</td><td>4 sec.</td><td>4 sec.</td><td>44 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	8 sec.	4 sec.	4 sec.	44 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
8 sec.	4 sec.	4 sec.	44 sec.											
76	White conical tower with black lantern; white dwelling to eastward and white bell tower to westward.	30½	1831	1890	Bell struck by machinery, a double blow every 20 sec.	A guide to Gloucester Harbor, and also to vessels bound to Broad Sound or near Boston Light. Halfway Rock Beacon, which is about halfway between this light and Nahant Head, SW. by W. ½ W.; Tenpound Island Ledge Buoy, red, No. 6, N. ½ W.; Tenpound Island Light, N. by E.; Whistling Buoy, S. by W., ½ mile.								
77	Brown conical tower; lantern, black. White dwelling E. of tower.	25	1821	1881										
78	Two white towers; lanterns, black. Southeastern tower, conical; northwestern tower, low octagonal pyramid, connected with a white dwelling by a covered way, 64 feet long. White bell tower stands N. of SE. tower.	54½	1797		Bell struck by machinery, a single and a double blow alternately, intervals 30 sec.	Gales Ledge Buoy (red, No. 2), near a ledge with 2 feet of water on it at low tide, NE. by E. ½ E., 1½ miles; Searle Rock, SE., ½ mile.								
79		34½	1797											
80	White pyramidal tower; lantern, black. Dwelling and outhouses, white.	40	1871			A lens panel is placed in the line of the center of the main ship channel, making a more brilliant fixed light on that line than on either side of it, lying between Baker Island and Little Misery Island, and serves to guide vessels in mid-channel clear of dangers on either side.								
81	Brown conical tower with white base; lantern, black. White bridge from tower to shore.	32½	1871			This light, in range with Derby Wharf Light clears Haste Shoal. Good anchorage ½ mile SW. by S. from this light, with Derby Wharf Light bearing W. ½ S.								
82	Square red tower, with black lantern.	17½	1871											
83	White tower, lantern black; a white covered way, 100 feet long, extends nearly to dwelling. Dwelling and outhouses, white.	22½	1835			Local lights. Serve as a guide for Marblehead and for western entrance to Salem Harbor. Good anchorage ½ mile W. by S. from these lights. On account of intervening buildings, the main light is obscured, except at short and irregular intervals, to vessels approaching from the southward until it bears from them NW. ½ N. The lantern light shows above the buildings.								
84	Lantern suspended from a white mast.	160	1883											
85	Black lantern, on white dwelling.	21	1856			Guide to Swampscott Anchorage. Dread Ledge Beacon (SE. side of anchorage off Swampscott), N. by E. ½ E.; Halfway Rock Beacon, NE. by E. ½ E.; Northeast Grave Whistling Buoy, S. by E. ½ E.								
86	Dark-gray granite tower, with black lantern.	89	1848	1859	Bell struck by machinery every 30 sec.	Davis Ledge Buoy, E. ½ S.; Boston Light, NW. ½ W., about 6½ miles.								
87	Conical white tower; lantern, black. White dwelling connected to tower by covered way, 80 feet long, large rain sheds, brick fog-signal house with frame annex, and square white building grouped closely about tower. Another white dwelling and small white structure to westward of group. Small brick oil house to southward of westerly dwelling.	80½	1716	1859	1st-class steam siren; blasts 5 sec., alternate silent intervals of 10 and 40 sec.	Siren sounds thus: <table><tr><th>Blast,</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>5 sec.</td><td>10 sec.</td><td>5 sec.</td><td>40 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	10 sec.	5 sec.	40 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	10 sec.	5 sec.	40 sec.											

SECOND DISTRICT.

MASSACHUSETTS.

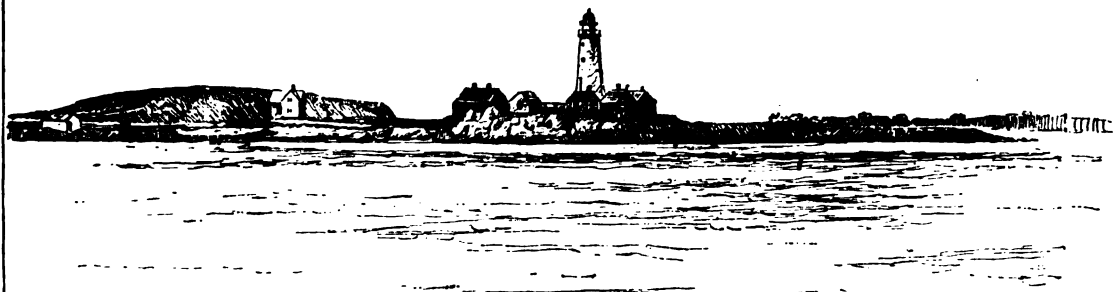
Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
88	BOSTON (Auxiliary).....	Fifty-seven feet southerly from the preceding.	0 1 "	Fixed white, between two fixed red sectors; one red sector between NE. $\frac{1}{2}$ E. and NE. by E. $\frac{1}{2}$ E.; the other red sector between ENE. $\frac{1}{2}$ E. and ENE. $\frac{1}{2}$ E.	Ref'r.	34	
89	Boston Bay. } Narrows.....	On the W. end of the spit making out from Great Brewster Island, Boston Harbor, Mass., NE. side of entrance to Narrows Channel.	42 19 22 70 55 11	Fixed red	5	45	8 $\frac{1}{2}$
90	Deer Island	On the S. extremity of the spit making out $\frac{1}{2}$ mile to the southward from Deer Island, Boston Harbor, Mass.	42 20 24 70 57 18	Fixed white, varied by a red flash every 30 sec.	5	53	12 $\frac{1}{2}$
91	Long Island Head	On the NE. end of Long Island and S. side of the entrance to main ship-channel to Boston, from head of Broad Sound, Mass.	42 19 (47) 70 57 (25)	Fixed white	3 $\frac{1}{2}$	119 $\frac{1}{2}$	16 $\frac{1}{2}$
92	Scituate Breakwater	On outer end of breakwater, entrance to Scituate Harbor, Mass.		Fixed red	Tub'lar lantern.	31	
93	Range. } Plymouth (Gurnet).....	On SE. part of Gurnet Point, Mass., N. side of entrance to Plymouth Harbor.	42 00 12 70 36 04	Fixed white	4	102 $\frac{1}{2}$	15 $\frac{1}{2}$
94	Beacon	On SE. part of Gurnet Point, Mass., 31 feet NW. from the preceding.		Fixed white	4	102 $\frac{1}{2}$	15 $\frac{1}{2}$
95	Duxbury Pier	Near Duxbury Pier, Plymouth, Mass., N. side of entrance to anchorage in "Cowyard."	41 59 15 70 38 57	Fixed white	5	34 $\frac{1}{2}$	11
96	Race Point.....	Northwesterly point of Cape Cod, Mass.	42 03 45 70 14 37	Fixed white, varied by a white flash every 30 sec.	4	41 $\frac{1}{2}$	11 $\frac{1}{2}$
97	Cape Cod Bay. } Wood End	On the beach at Wood End, Cape Cod, Mass.	42 01 17 70 11 38	Flashing red every 15 sec.	5	45	12
98	Long Point	On Long Point, SW. side of entrance to Provincetown Harbor, Mass.	42 01 59 70 10 09	Fixed white	5	35 $\frac{1}{2}$	11 $\frac{1}{2}$
99	Mayo Beach	At the head of Wellfleet Harbor, Mass.	41 55 (49) 70 02 (05)	Fixed white	Ref'r.	36	
100	Billingsgate Island	West side of and near the entrance to Wellfleet Harbor, Mass.	41 52 18 70 04 10	Fixed white	4	41 $\frac{1}{2}$	11 $\frac{1}{2}$
101	Sandy Neck	On SE. side of Beach Point, W. side of entrance to Barnstable Harbor, Mass.	41 43 22 70 16 (53)	Fixed white	5	47 $\frac{1}{2}$	12 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

1
Minot Ledge Light Station Mass
S W $\frac{1}{4}$ mile



Boston Light Station Mass
North $\frac{1}{2}$ mile



Plymouth (Gurnet) Light Station Mass
S. W $\frac{1}{2}$ mile



Long Point Light Station Mass
N N W $\frac{1}{4}$ mile





MASSACHUSETTS.

SECOND DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
26	Small, white wooden structure.....	9	1890			The white sector, between NE. by E. $\frac{1}{2}$ E. and ENE. $\frac{1}{2}$ E., marks the fairway between Hunt Ledge and The Centurion; one red sector covers Hunt Ledge, the other red sector covers The Centurion.								
29	Black lantern on white dwelling; pile foundation.	45	1856		Bell struck by machinery every 20 sec.	A guide through the Narrows. This light, in range with Long Island Head Light, leads clear of Harding Ledge. Opening the width of the house S. of Long Island Head Light, will clear Point Allerton Buoy (black, No. 8).								
30	Conical brown tower; lantern, black; on black cylindrical foundation pier expanding in trumpet-shape under main gallery, gallery covered by roof.		1890		Bell struck by machinery every 10 sec.									
31	Brown tower; lantern, black. White dwelling SE. of tower.	35 $\frac{1}{2}$	1819	1880										
32	Lantern suspended from a spar.....		1891			Guide to Scituate Harbor.								
33	Two white, octagonal, pyramidal towers, connected by covered way; lanterns, black; dwelling, white, with green blinds.	34	1769			Serve as a range to clear Browns Bank, coming from southward and eastward, and as a guide into Plymouth Harbor, Kingston, and Duxbury. This is a good harbor for vessels overtaken in easterly storms. Depth of water in channel at low tide, 18 feet. Life-saving station just inside Gurnet Point.								
34		34												
35	Brown conical tower, with black lantern.	42	1871			Placed off the end of the flats, in 7 feet of water at mean low tide, as a guide to Kingston, Duxbury, and the entrance to the inner harbor of Plymouth. To be left on starboard hand entering. Anchorage in Cowyard, with light bearing SE. $\frac{1}{2}$ E.								
36	Brown tower; lantern, black. Two white dwellings and barn. A brick fog-signal house about 150 feet northerly from tower.	35	1816	1876	12-inch steam whistle; blasts 4 sec., alternate silent intervals of 8 and 44 sec.	A guide to enter Cape Cod Bay. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>4 sec.</td><td>8 sec.</td><td>4 sec.</td><td>44 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	4 sec.	8 sec.	4 sec.	44 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
4 sec.	8 sec.	4 sec.	44 sec.											
37	Pyramidal white tower; lantern, black. White dwelling 50 feet to NE.	34	1872											
38	Square white tower; lantern, black. White dwelling stands S., and bell-tower to the N.	32	1826	1874	Bell struck by machinery single and double blows alternately, intervals 30 sec.	The light is seen from Wood End Bar, and illuminates the entire horizon. A break has been made in the bluff at a point $3\frac{1}{2}$ miles N. and W. of Cape Cod Light House through which the light on Long Point is visible over the land. When visible the light bears SW. $\frac{1}{4}$ W.								
39	Brown tower; lantern, black. White dwelling, W. of tower, and close to it.	25	1838	1880		Harbor light.								
100	Square red tower, connected with dwelling by a short covered way; lantern, black.	33 $\frac{1}{2}$	1822	1858		Guide to Wellfleet Bay. Billingsgate Island Shoal makes off about $5\frac{1}{2}$ miles, the extremity being marked by a black buoy, which bears WSW. $\frac{1}{4}$ W. from the light-house. Vessels entering Wellfleet Harbor must go round to SW. of this shoal.								
101	White tower; lantern, black. White dwelling, 20 feet W. of tower.	40 $\frac{1}{2}$	1836	1857		Guide to Barnstable Harbor.								

SECOND DISTRICT.

MASSACHUSETTS.

Number.	Name.	Locality.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
102	CAPE COD	On the highlands, NE. or seaward side of Cape Cod, Mass.	42° 02' 28" 70° 03' 40"	Fixed white	1	183	19½
103	NAUSET BEACH	Three towers at Eastham, on the E. side of Cape Cod, Mass.	41° 51' (39) 69° 57' (05)	Fixed white	4	97	15½
104	.....		.....	Fixed white	4	97	15½
105	.....		.....	Fixed white	4	97	15½
106	CHATHAM	On the mainland, W. side of Chatham Harbor, Mass.	41° 40' 18" 69° 57' 01"	Fixed white	4	79½	14½
107	.....		41° 40' 17" 69° 57' 01"	Fixed white	4	79½	14½
108	<i>Pollock Rip Light-Vessel, No. 47</i>	To the southward of Pollock Rip Shoal, about 3¼ miles SE. by E. ¼ E. from Monomoy Point Light-House, Mass.	41° 32' (27) 69° 55' (15)	Two fixed red	Ref'r's	{ 37 37 }	11½
109	MONOMOY POINT	On Monomoy Beach, the southern ex- tremity of Cape Cod, Mass.	41° 33' 34" 69° 59' 39"	Fixed white with a fixed red sector be- tween W. ¼ S. and W. ¼ N.	4	47	12½
110	<i>Shovelful Shoal Light-Vessel, No. 3.</i>	To the eastward of Shovelful Shoal, 1½ miles S. ¼ E. from Monomoy Point Light-House, Mass.	41° 32' (29) 69° 59' (07)	Fixed red	Ref'r.	40	11½
111	<i>Handkerchief Light-Vessel, No. 4.</i>	Off the southern point of the Handker- chief Shoal, about 5 miles SW. ¼ W. from Monomoy Point Light-House, Mass.	41° 29' (38) 70° 03' (41)	Fixed white	Ref'r.	40	11½
112	<i>Great Round Shoal Light-Ves- sel, No. 42.</i>	To the southward of Great Round Shoal, Mass.	41° 24' (26) 69° 54' (29)	Two fixed white	Ref'r's	{ 45 45 }	12
113	NANTUCKET (Great Point)	On Great Point, the NE. extremity of Nantucket Island, Mass.	41° 23' 24" 70° 02' 46"	Fixed white with a fixed red sector be- tween E. ¼ S. and SE. by E. ¼ E.	3	69½	13½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Cape Cod (Highland) Light Station. Mass.
West $\frac{1}{2}$ mile



Chatham Light Station Mass.
W N W 1 mile.



Pollock Rip Light Vessel. Mass



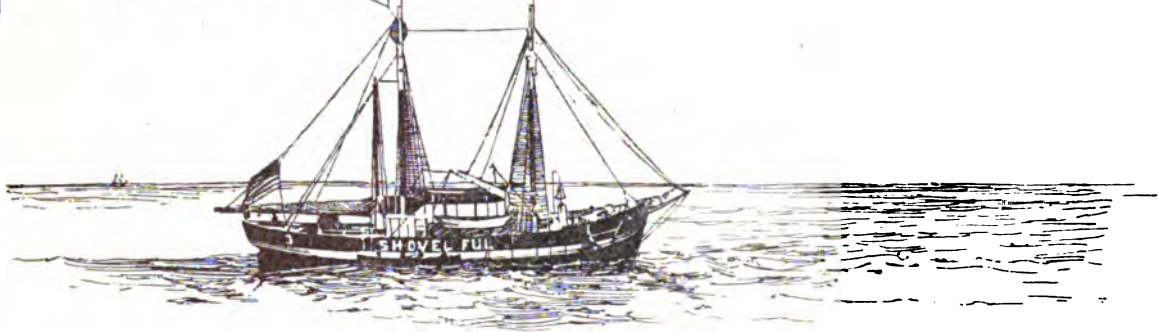
Monomoy Point Light Station. Mass
N. N. W. $\frac{1}{2}$ mile.



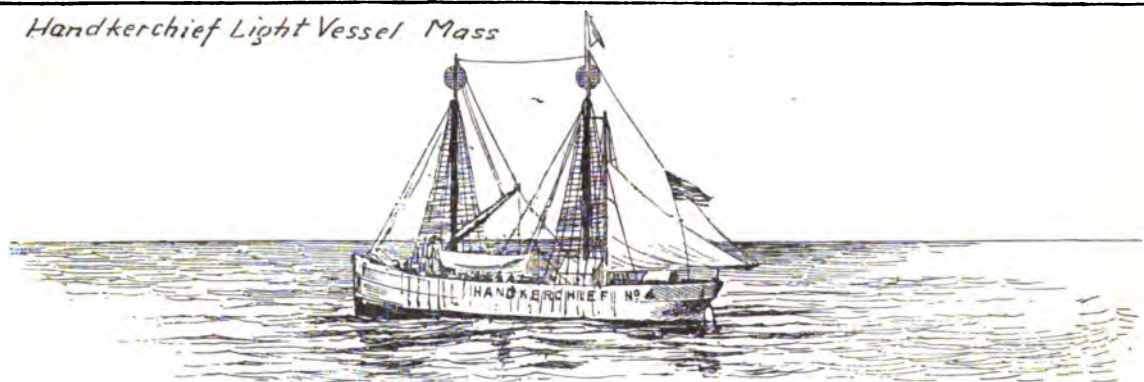




Shovelful Shoal Light Vessel Mass



Handkerchief Light Vessel Mass



Nantucket (Great Point) Light Station Mass
SE 1/2 mile



Gay Head Light Station Mass
South 1 mile



MASSACHUSETTS.

SECOND DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
102	White tower and dwellings, connected by white covered ways; lantern, black. White fog-signal house to northeastward of dwelling.	55	1797	1857	1st-class Daboll trumpet; blasts 8 sec., silent intervals 30 sec.	On a hill, 142 feet above the sea; 4½ miles from Cape Ann Lights, 47 miles from Sankaty Head Light, and 41 miles from Boston Light. This is a signal-display station. <i>Vessels passing this light, and using INTERNATIONAL CODE SIGNALS, can communicate with Boston immediately by telegraph.</i> Trumpet sounds thus: <table><tr><th>Blast,</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>8 sec.</td><td>30 sec.</td><td>8 sec.</td><td>30 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	8 sec.	30 sec.	8 sec.	30 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
8 sec.	30 sec.	8 sec.	30 sec.											
103	Three white conical towers, shingled, 150 feet apart, ranging N. and S.; lanterns, black; dwelling and barn white.	22	1837	1892		Abreast of these lights the tides divide and run in opposite directions.								
104		22	1837	1892										
105		22	1837	1892										
106	Two white conical towers 100 feet apart, ranging N. and S.; lanterns, black. White dwelling between the towers.	42½	1808	1877		A guide through Nantucket Sound and Pollock Rip Shoal. Pollock Rip Light-Vessel, S. ½ W.; E. end of broken ground of Pollock Rip, S. by E. There is a signal-display station near the lights.								
107		42½	1808											
108	Two masts, schooner-rigged, no bowsprit; red hoop-iron day-mark at each masthead. Hull red, with the words "POLLOCK RIP" in white letters on each quarter, and "47" on each bow.		1849	1890	12-inch steam chime whistle; blasts 5 sec., silent intervals 25 sec. If whistle be disabled, a bell will be rung by hand.	Whistle sounds thus: <table><tr><th>Blast,</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>5 sec.</td><td>25 sec.</td><td>5 sec.</td><td>25 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	25 sec.	5 sec.	25 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	25 sec.	5 sec.	25 sec.											
109	Red tower, connected with white dwelling by covered way; lantern, black.	34½	1823			This light, in range with Pollock Rip Light-Vessel, NW. by W. ½ W., will guide vessels into Nantucket Sound between broken part of Pollock Rip and Twelve-Foot Shoal. The northerly edge of the red sector cuts Northeast Shoal Channel Whistling Buoy, and its southerly edge cuts Broken Part of Pollock Rip (north part) Bell Buoy. Nantucket (Great Point) Light, SSW. ½ W.; Bishop and Clerks Light, WNW. ½ W.								
110	Two masts, schooner-rigged; red hoop-iron day-mark at mainmast head. Hull, black, with white stripe, with the word "SHOVELFUL" in large white letters on each side, and "NO. 3" on each quarter, no bowsprit.		1852	1879	Bell or horn.	Position of light-vessel is WNW. ½ W. from Pollock Rip Light-Vessel. Handkerchief Light-Vessel, SW. by W. ½ W.; Stone Horse Shoal (N. end) Buoy (black, 5A), S. ½ E., ½ mile.								
111	Two masts, schooner-rigged, no bowsprit; black hoop-iron day-mark at each mast-head. Hull, straw-color, with the word "HANDKERCHIEF" in large black letters on each side, and "NO. 4" on each quarter.		1835	1878	Bell or horn.	Shovelful Shoal Light-Vessel, NE. by E. ½ E.								
112	Two masts, schooner-rigged, no bowsprit; black mastheads with lead-colored iron day-mark at each. Hull, lead-color, with "GREAT ROUND SHOAL" in large black letters on each side and "42" in large black figures on each bow and on the stern.		1890		12-inch steam whistle; blasts 5 sec., silent intervals 55 sec. If whistle be disabled a bell will be rung by hand.	In range with Nantucket (Great Point) Light guides clear of Orion and McBlair Shoals. Sankaty Head Light, SSW. ½ W., 7½ miles; Nantucket (Great Point) Light, W. ½ N., 6½ miles; Handkerchief Light-Vessel, NW. ½ N., ¾ miles. Whistle sounds thus: <table><tr><th>Blast,</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>5 sec.</td><td>55 sec.</td><td>5 sec.</td><td>55 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	55 sec.	5 sec.	55 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	55 sec.	5 sec.	55 sec.											
113	White tower with covered way and white frame dwelling, lantern black. Small white oil house to southward of dwelling.	65½	1781			Handkerchief Light-Vessel, N. ½ E.; Cross Rip Light-Vessel, NW. by W. ½ W. Good anchorage inside the point in easterly weather, in 7 and 8 fathoms of water. The red sector covers Cross Rip and Tuckernuck Shoals. Too much dependence must not be placed upon the red sector as a guide to clear Cross Rip Shoal, as the light can not be seen at Cross Rip Shoal if the weather is at all hazy. This is a signal-display station, connected with Nantucket by telephone.								

SECOND DISTRICT.

MASSACHUSETTS.

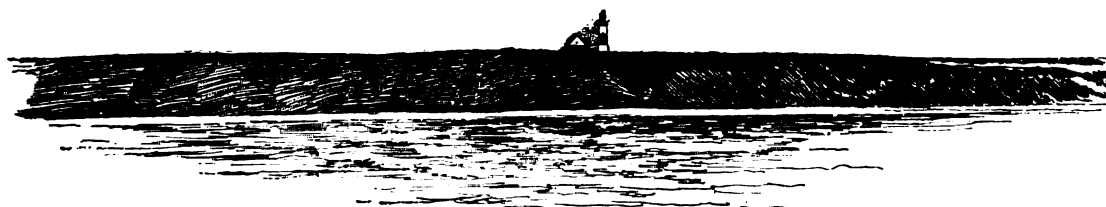
Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
114	SANKATY HEAD	On the SE. part of the island of Nantucket, Mass.	41° 17' 01" 69° 57' 57"	Fixed white, varied by a white flash every minute.	2	166	19
115	<i>Nantucket New South Shoal Light-Vessel, No. 54.</i>	Moored about 12 miles SSW. $\frac{1}{2}$ W. of the shoalest part of New South Shoal, Mass.	40° 46' (30) 69° 56' (30)	Two fixed white	Ref'r's	$\left\{ \begin{array}{l} 37\frac{1}{2} \\ 37\frac{1}{2} \end{array} \right\}$	11 $\frac{1}{2}$
116	GAY HEAD	On the western point of Martha's Vineyard Island, S. side of W. entrance to Vineyard Sound, Mass.	41° 20' 55" 70° 50' 08"	Flashing white and red; interval between flashes 10 sec.; every fourth flash red.	1	170	19 $\frac{1}{2}$
117	Brant Point	On Brant Point, W. side of entrance to Nantucket Harbor, Mass.	41° 17' 23" 70° 05' 35"	Fixed white	4	48 $\frac{1}{2}$	12 $\frac{1}{2}$
118	Range. $\left\{ \begin{array}{l} \text{Nantucket Cliff (front) ...} \\ \text{Nantucket Cliff (rear) ...} \end{array} \right\}$	On the beach NW. of Nantucket Harbor, Mass.	41° 17' 38" 70° 06' 24"	Fixed white	Ref'r.	15 $\frac{1}{2}$	.....
119			41° 17' 36" 70° 06' 25"	Fixed red	Ref'r.	28 $\frac{1}{2}$	.....
120	Stage Harbor	On Harding Beach, W. side of Chatham, Mass.	41° 39' 32" 69° 59' 03"	Fixed white	4	40	11 $\frac{1}{2}$
121	Bass River	On the N. side of Nantucket Sound, to the eastward of the entrance to Bass River, Mass.	41° 39' (06) 70° 10' (11)	Fixed white	5	41	11 $\frac{1}{2}$
122	Bishop and Clerks	On the N. point of Bishop and Clerks Ledge, Mass.	41° 34' 28" 70° 15' 02"	Flashing white with a flashing red sector between N. $\frac{1}{2}$ W. and NNE. $\frac{1}{2}$ E. Interval between flashes 30 sec.	4	56 $\frac{1}{2}$	13
123	Range. $\left\{ \begin{array}{l} \text{Hyannis ...} \\ \text{Beacon ...} \end{array} \right\}$	On the mainland, E. side of the entrance, and inside of the breakwater, Hyannis Harbor, Mass.	41° 38' 11" 70° 17' 20"	Fixed red	Ref'r.	42 $\frac{1}{2}$	.....
124		On Old Colony R. R. Wharf, Hyannis Harbor, Mass.	41° 38' (00) 70° 17' (22)	Fixed red	Ref'r.	22	.....
125	<i>Cross Rip Light-Vessel, No. 5.</i>	To the northward of Cross Rip Shoal, 11 $\frac{1}{2}$ miles NW. by W. $\frac{1}{2}$ W. from Nantucket (Great Point) Light-House.	41° 26' (48) 70° 17' (28)	Fixed red	Ref'r.	39	11 $\frac{1}{2}$
126	<i>Suconnesset Shoal Light-Vessel, No. 6.</i>	Between Suconnesset Shoal and Eldridge Shoal, Mass.	41° 32' (02) 70° 26' (41)	Fixed white	Ref'r.	40	11 $\frac{1}{2}$
127	Cape Poge	On NE. point of Chappaquiddick Island, the easterly part of Martha's Vineyard, Mass.	41° 25' 18" 70° 27' 06"	Fixed white	4	53 $\frac{1}{2}$	12 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

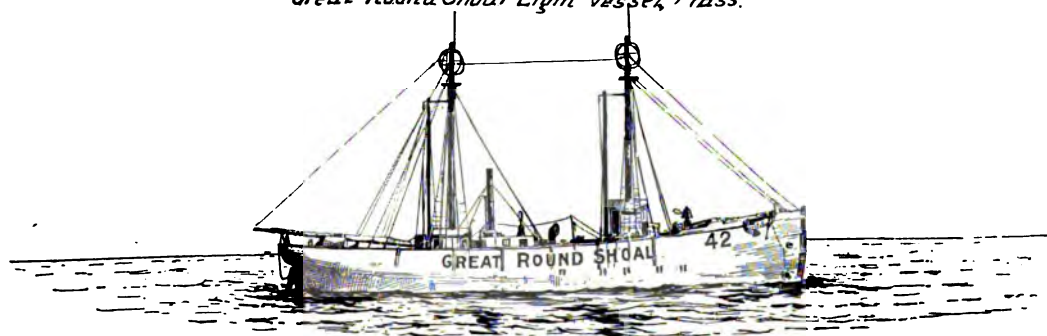
Nantucket New South Shoal Light Vessel Mass



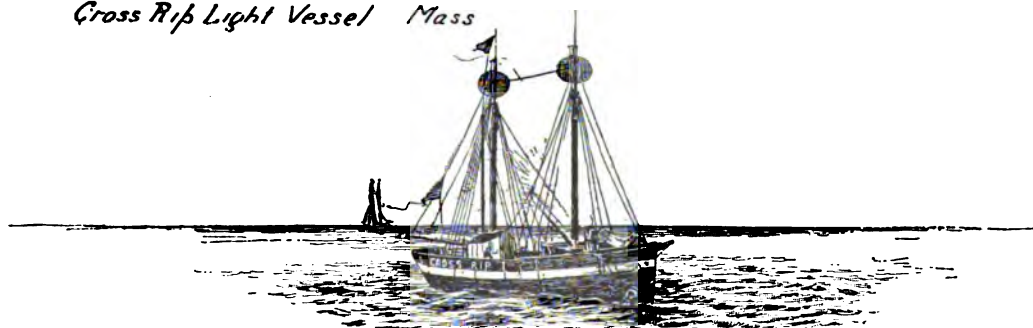
Sankaty Head Light Station Mass
W by N 3/4 mile



Great Round Shoal Light Vessel, Mass.



Gross Rip Light Vessel Mass



6.18.70 171



MASSACHUSETTS.

SECOND DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
114	Tower, white near the top and bottom, with red band in the middle; lantern, black. A white, framed, double dwelling and barn near southerly side of tower.	62	1849	-----	-----	Cape Cod Light, 47 miles; Gay Head Light, 89 miles. This is a signal-display station, connected with Nantucket by telephone.								
115	Two masts, schooner-rigged, and no bowsprit. The mastheads are white, and at each there is a red, circular, iron cage-work day-mark. The hull is red, with the words "NANTUCKET NEW SOUTH SHOAL" in large white letters on each side and "54" in large white figures on each bow. A black smokestack and the fog signal are between the masts.	-----	1854	1892	12-inch steam whistle; alternate blasts of 2 sec. and 6 sec.; alternate silent intervals of 28 sec. and 24 sec. If whistle be disabled a bell will be rung by hand.	Moored in 18 fathoms of water. Tom Nevers Head, N. $\frac{1}{2}$ E., 27 $\frac{1}{2}$ miles; Old South Shoal, NNE. $\frac{1}{2}$ E., 16 $\frac{1}{2}$ miles; Sandy Hook Light-Vessel, W. $\frac{1}{2}$ N., 178 miles; Block Island (SE.) Light, NW. by W. $\frac{1}{2}$ W., 76 miles. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>2 sec.</td><td>28 sec.</td><td>6 sec.</td><td>24 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	2 sec.	28 sec.	6 sec.	24 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
2 sec.	28 sec.	6 sec.	24 sec.											
116	Red tower and dwelling, connected by a short covered way; lantern, black. Barn and sheds, white. Red brick oil house, near bluff, northwesterly from tower.	40	1799	1856	-----	A guide to Vineyard Sound and Buzzards Bay; 49 miles from Montauk Point Light, and 29 miles from Point Judith Light. A rocky shoal, distant $\frac{1}{2}$ miles, lies northwesterly from this light. Cuttyhunk Light, NW. $\frac{1}{2}$ N., 6 $\frac{1}{2}$ miles. Vineyard Sound Light-Vessel distant about 7 $\frac{1}{2}$ miles. This is a signal-display station, connected with Vineyard Haven by telephone.								
117	White tower and dwelling connected by a short covered way; lantern, black.	43 $\frac{1}{2}$	1746	1856	-----	Great Point Light, NNE. $\frac{1}{2}$ E.; Nantucket Cliff Range Lights, NW. by W.; Cross Rip Light-Vessel, NNW. $\frac{1}{2}$ W.								
118	Two small white pyramidal structures, with red roofs, about 300 feet apart, ranging SSW. $\frac{1}{2}$ W. and NNE. $\frac{1}{2}$ E.	11	1838	-----	-----	Brant Point Light, SE. by E. This harbor should not be entered in the night without a pilot, and in the daytime the buoys are the only sure guides, as the bar is constantly changing, and they are moved as required.								
119		23 $\frac{1}{2}$	1838	-----										
120	Brown tower; lantern, black; brown dwelling, 50 feet S. of tower.	36 $\frac{1}{2}$	1880	-----	-----	This light, in range with Chatham N. Light, will carry clear of Common Flats to anchorage.								
121	Black lantern on white dwelling	30	1854	-----	-----	Guide to the anchorage inside the breakwater.								
122	Gray granite tower, with lead-colored fog-bell tower attached to the W. side; lantern, black.	59 $\frac{1}{2}$	1858	-----	Bell struck by machinery every 15 sec.	Point Gammon old tower, N. $\frac{1}{2}$ W., 2 $\frac{1}{2}$ miles. The ledge extends $\frac{1}{2}$ miles, nearly N. and S.; Bass River Light NE. $\frac{1}{2}$ E. The red sector covers Cross Rip and Tuckernuck Shoals.								
123	White tower and dwelling connected by a short covered way; lantern, black.	19 $\frac{1}{2}$	1849	-----	-----	These lights form a range for entering the harbor. Hyannis Light open one-quarter point to the eastward of the range beacon gives a berth to the east end of the breakwater. After passing the breakwater, the two lights in range carry to the railroad wharf. There is a signal-display station 200 feet from the light-house.								
124	Small frame shed, painted lead-color.	15	1885	-----	-----	-----								
125	Two masts, schooner-rigged; white hoop-iron day-mark at each mast-head. Hull, black, with white stripe, and the words "CROSS RIP" in white letters on each side, and "5" on each quarter.	-----	1864	-----	Bell or horn	Moored in 6 $\frac{1}{2}$ fathoms of water. A black buoy, 300 fathoms distant, S. by W. $\frac{1}{2}$ W., lies in 18 feet of water.								
126	Two masts, schooner-rigged; red hoop iron day-mark at mainmast head. Hull, straw-color, with the word "SUCCONNESETT" in large black letters on each side, and "6" on each quarter.	-----	1864	1880	Bell or horn	Moored in mid-channel, in 6 fathoms of water. Cape Poge Light, S. by W. $\frac{1}{2}$ W.; West Chop Light, WSW. $\frac{1}{2}$ W.; Nobeka Point Light, W. $\frac{1}{2}$ N.; Horseshoe Shoal buoy, E. $\frac{1}{2}$ S.								
127	White tower; lantern, black. A white double dwelling S. of tower.	34 $\frac{1}{2}$	1801	1857	-----	Marks the southern side of the eastern entrance to Vineyard Sound. Nobeka Point Light, NW. $\frac{1}{2}$ W.; Cross Rip Light-Vessel, E. $\frac{1}{2}$ N.								

SECOND DISTRICT.

MASSACHUSETTS.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
128	Edgartown	North side of the inner harbor of Edgartown, Mass.	41 23 27 70 30 13	Fixed white	4	48	12½
129	East Chop	On East Chop, E. side of entrance to Vineyard Haven Harbor, Mass.	41 28 (13) 70 34 (05)	Fixed white	4	79	14½
130	West Chop	On West Chop, W. side of entrance to Vineyard Haven Harbor, Mass.	41 28 51 70 38 01	Fixed white, with a fixed red sector between WNW. and N. by W. ½ W.	4	83½	14½
131	Nobska Point.....	On ESE. side of entrance to Woods Hole Harbor, Mass.	41 30 57 70 39 20	Fixed white, with a fixed red sector, between W. ½ N. and NW. by W. ½ W.	4	86½	15
132	Tarpaulin Cove	West side of the cove on Naushon Island, Mass.	41 28 08 70 45 29	Fixed white, varied by a white flash every 30 sec.	4	77½	14½
116	GAY HEAD	On the western point of Martha's Vineyard Island, S. side of W. entrance to Vineyard Sound, Mass.	41 20 55 70 50 08	Flashing white and red; interval between flashes 10 sec.; every fourth flash red.	1	170	19½
133	Vineyard Sound Light-Vessel (Sow and Pigs), No. 41.	About 1½ miles southwesterly of the rocks called Sow and Pigs, N. side of western entrance to Vineyard Sound, Mass.	41 22 (47) 71 00 (00)	Two fixed red.	Ref'r	34 31	11
134	Hen and Chickens Light-Vessel, No. 2.	About 1 mile to the southward and eastward of the rocky reef making off from Gooseberry Neck, NW. side of entrance to Buzzards Bay, Mass.	41 27 (02) 70 01 (06)	Fixed white	Ref'r	25	10
135	Cuttyhunk	On SW. point of Cuttyhunk Island, SE. side of entrance to the bay, Mass.	41 24 (52) 70 57 (00)	Fixed white	5	61	12½
136	Dumpling Rock	Off Round Hill, NW. side of bay, SSW. ½ W. of Clark Point Light and New Bedford, Mass.	41 32 18 70 55 19	Fixed white	5	48	12½
137	Clark Point.....	On fort at Clark Point, W. side of entrance to New Bedford Harbor, Mass.	41 35 36 70 54 07	Fixed white	5	64	12½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

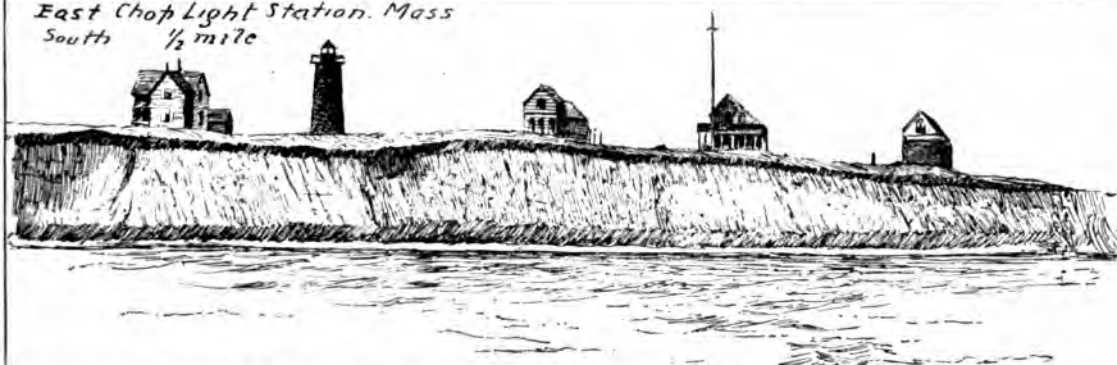
Bishop and Clerks Light Station Mass
S.E. $\frac{1}{4}$ mile



Cape Poge Light Station Mass
West $\frac{1}{2}$ mile



East Chop Light Station. Mass
South $\frac{1}{2}$ mile



West Chop Light Station Mass
S.W. $\frac{1}{2}$ mile



N.L. Stebbins. Photo.

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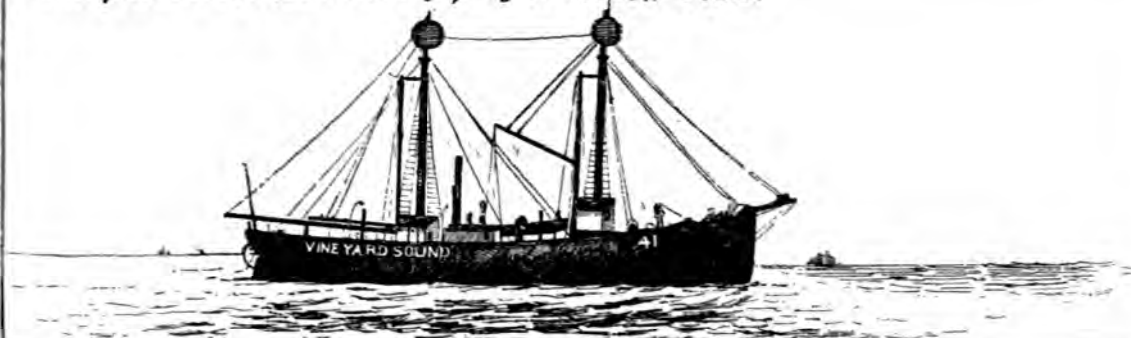




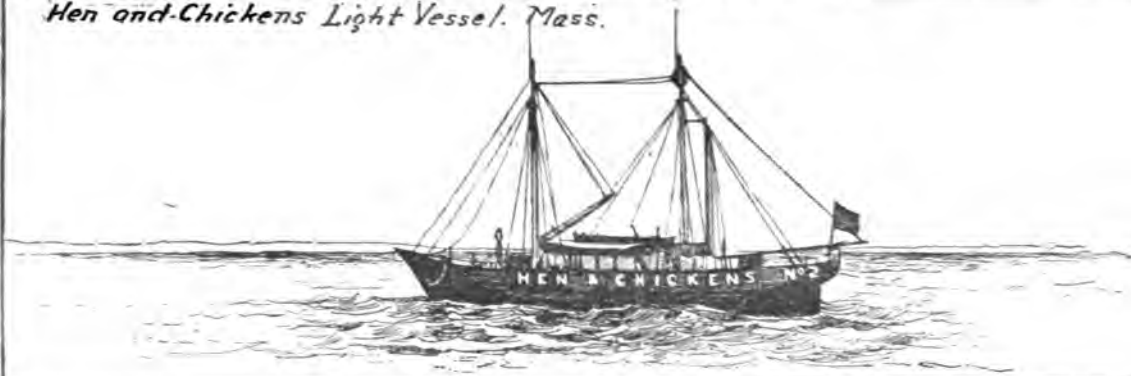
*Nauset Point Light Station, Mass.
N by W 1/2 mile.*



Vineyard Sound (Sow and Pigs) Light Vessel, Mass.



Hen and Chickens Light Vessel, Mass.



*Clark Point Light Station, Mass.
N.N.W. 1/2 mile.*



MASSACHUSETTS.

SECOND DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
128	Black lantern on white dwelling. A bridge, $\frac{1}{2}$ mile long, connects station with the shore.	36	1828	-----	-----	On starboard hand entering harbor. Good anchorage SW. of the light. Cape Poge Light, NE. by E. $\frac{1}{2}$ E.								
129	Brown tower; lantern, black. Dwelling and wood shed, white.	35 $\frac{1}{2}$	1876	1877	-----	Serves as a guide to vessels bound through the sound, or entering Vineyard Haven from the eastward, after passing through the Cross Rip Slue.								
130	Cylindrical red brick tower, with brick service room attached; lantern, black; two white dwellings. Fog-signal house, white, with red roof, stands about 100 feet NE. of tower.	50 $\frac{1}{2}$	1817	1891	10-inch steam whistle; blasts 3 sec., silent intervals 27 sec.	A guide through the sound and to Vineyard Haven Harbor. The red sector covers Squash Meadow and Norton Shoal. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>3 sec.</td><td>27 sec.</td><td>3 sec.</td><td>27 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	3 sec.	27 sec.	3 sec.	27 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
3 sec.	27 sec.	3 sec.	27 sec.											
131	Brown tower; lantern, black. A brown dwelling, with white trimmings, stands 40 feet E. of the tower. Bell tower, 320 feet SW. of tower.	35	1828	1876	Bell struck by machinery, single and double blows alternately, with intervals of 30 sec.	Leading mark in running through Vineyard Sound. The red sector covers Hedge Fence and L'Homme Dieu Shoal. This is a signal-display station, connected with Woods Holl by telephone.								
132	White tower; lantern, black; white dwelling and barn; pyramidal shingled bell tower at water's edge, westerly from light-house.	34 $\frac{1}{2}$	1817	1891	Bell struck by machinery every 15 sec.	This light may be seen from Gay Head, bearing NE. $\frac{1}{2}$ N. Good anchorage in northerly winds. There is a signal-display station near the light-house.								
116	Red tower and dwelling, connected by a short covered way; lantern, black. Barn and sheds white. Red brick oil house, near bluff, northwesterly from tower.	41	1799	1856	-----	A guide to Vineyard Sound and Buzzards Bay; 49 miles from Montauk Point Light, and 29 miles from Point Judith Light. A rocky shoal, distant $\frac{1}{2}$ mile, lies northwesterly from this light. Cuttyhunk Light, NW. $\frac{1}{2}$ N., $6\frac{1}{2}$ miles; Vineyard Sound Light-Vessel, distant about $7\frac{1}{2}$ miles. This is a signal-display station, connected with Vineyard Haven by telephone.								
133	Two masts, schooner-rigged; red hoop-iron day-mark at each mast-head. Hull red, with the words "VINEYARD SOUND" in large white letters on each side, and "41" on each bow.	-----	1854	1876	12-inch steam whistle; blasts 6 sec., silent intervals 45 sec. If whistle be disabled a bell will be rung by hand.	Moored in 16 fathoms of water. Dumpling Rock Light, NNE. $\frac{1}{2}$ E., easterly; Cuttyhunk Light, NE. by E. $\frac{1}{2}$ E., easterly, nearly $3\frac{1}{2}$ miles; Gay Head Light, SE. by E. $\frac{1}{2}$ E. A dangerous rock, called Ribbon Reef, lies on the range between this vessel and Dumpling Rock Light, about $3\frac{1}{2}$ miles from the vessel, marked by a red and black horizontal striped buoy. The flood tide flows to the eastward and the ebb tide to the westward, with a velocity of from 1 to 5 miles an hour. Too much attention can not be given to this in going through the sound at night. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>6 sec.</td><td>45 sec.</td><td>6 sec.</td><td>45 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	6 sec.	45 sec.	6 sec.	45 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
6 sec.	45 sec.	6 sec.	45 sec.											
134	Two masts, schooner-rigged; black hoop-iron day-mark at mainmast head. Hull, black, with the words "HEN AND CHICKENS" in large white letters on each side, and "No. 2" on each quarter.	-----	1866	-----	Bell or horn	Moored in 9 fathoms of water. Old Cock Spindle, NNW. $\frac{1}{2}$ W., 1 mile.								
123	Conical, white, shingled tower with black lantern; connected by a white covered way with a white frame dwelling.	39 $\frac{1}{2}$	1823	1891	-----	Clark Point Light, NNE., 11 miles; Dumpling Rock Light, N. by E. $\frac{1}{2}$ E.								
126	Black lantern on white frame tower attached to NE. corner of white frame dwelling. Bell tower about 100 feet S. of light-house.	35	1828	1889	Bell struck by machinery, alternately a single and a double blow, with intervals of 30 sec.	Clark Point Light, NNE. $\frac{1}{2}$ E. In going up the bay in the main ship-channel this light should be left 1 mile on the port hand, to clear a sand spit which bears from the light SSE., $\frac{1}{2}$ mile distant. Great Ledge (east side) Buoy (black, No. 7), E. $\frac{1}{2}$ S., $1\frac{1}{2}$ miles; Cuttyhunk Light, S. by W. $\frac{1}{2}$ W.								
127	Light on fort	59	1800	1869	-----	Cuttyhunk Light, SSW., 11 miles.								

SECOND DISTRICT.

MASSACHUSETTS.

Number.	Name.	Location.	Latitude, north Longitude, west.	Characteristic of Light.	Order of Light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
138	Palmer Island	West side of entrance to New Bedford Inner Harbor, on NE. extremity of the island, Mass.	41 37 37 70 54 35	Fixed white	5	34½	11
139	Fairhaven Bridge (<i>see Re- marks</i>).	On bridge between New Bedford and Fairhaven, Mass.	41 38 (20) 70 55 (08)	Twinkling red every 5 sec.	Ref'r.	24	-----
140	Wamsutta Mill	On the tower of Mill No. 3 of the Wamsutta corporation, New Bedford, Mass.	41 38 (54) 70 56 (35)	Fixed white	Electric.	91½	-----
141	Ned Point	Northeast side of Mattapoisett Harbor, E. of New Bedford, NW. side of the bay, Mass.	41 39 (03) 70 47 (46)	Fixed white	Lens lantern.	40½	-----
142	Bird Island	East side of entrance to Sippican Harbor, off Sippican Neck Point, W. side of the bay, Mass.	41 40 (10) 70 43 (04)	Fixed white, varied by a white flash every 80 sec.	5	37	11½
143	Wings Neck	On the SW. point of Wenaumet Neck, near the head of the bay, N. side of entrance to Pocasset Harbor, Mass.	41 40 (49) 70 39 (42)	Fixed white	5	49½	12½

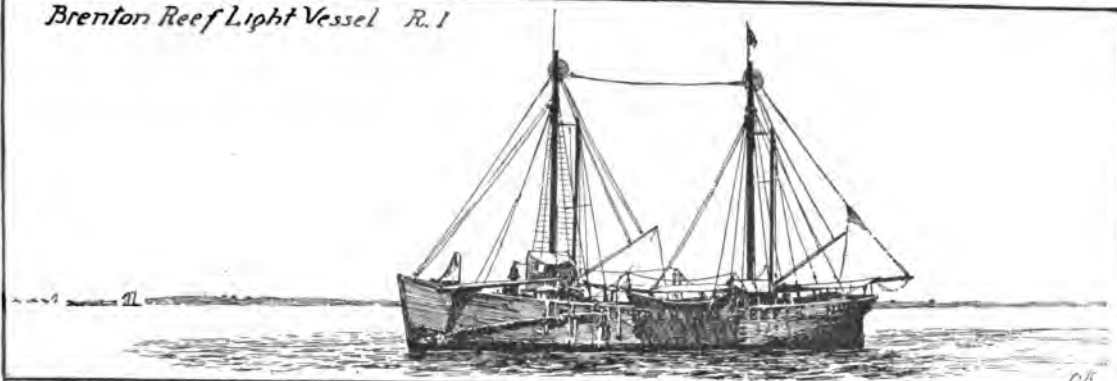
THIRD DISTRICT.

RHODE ISLAND.

144	Sakonnet	On Little Cormorant Rock, mouth of the Sakonnet River, near Sakonnet Point, R. I.	41 27 (10) 71 12 (09)	Fixed white for 30 sec., followed by three red flashes at intervals of 10 sec.	4	70	14
145	Brenton Reef Light-Vessel, No. 11..	About 1 mile southwesterly from the reef making off from Brenton Point, entrance to Narragansett Bay.	41 25 (52) 71 22 (30)	Two fixed white	Ref'r.	{ 50 40	{ 12½ 11½ }
146	BEAVERTAIL	On S. point of Conanicut Island, between the two entrances to Narragansett Bay, R. I.	41 26 58 71 24 00	Fixed white	3	68	13½
147	Castle Hill	On W. side of Castle Hill, R. I., E. side of eastern passage into Narragansett Bay.	41 27 (44) 71 21 (48)	Flashing red every 30 sec.	5	42	11½
148	Fort Adams Fog-Signal Station.	On N. end of dock at Fort Adams, Newport Harbor, R. I.	41 28 (53) 71 20 (15)	-----	-----	-----	-----
149	Lime Rock	On rock S. side of S. entrance to Newport Harbor, R. I.	41 28 39 71 19 35	Fixed red	6	30	7½
150	Newport Harbor (Goat Island)	On the N. end of the breakwater making out from the N. end of Goat Island, Newport Harbor, R. I.	41 29 26 71 19 39	Fixed white 15 sec., eclipse 5 sec.	4	33	11

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Brenton Reef Light Vessel R. I.



*Beaver Tail Light Station R. I.
N.E. by N $\frac{1}{4}$ mile.*



*Point Judith Light Station. R. I.
W.N.W $\frac{1}{2}$ mile*



*Block Island (S.E.) Light Station. R. I.
W by S $\frac{3}{4}$ mile*





MASSACHUSETTS.

SECOND DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
138	White tower and dwelling, connected by causeway 100 feet long; lantern, black.	34	1849	-----	-----	Clark Point Light, S.; Egg Island Beacon, SSE. $\frac{1}{2}$ E.
139	White wooden structure, with red roof.	18½	1887	-----	-----	With Palmer Island Light, forms a range to clear Butler Flat. <i>Lighted only in case of accidental extinguishment of Wamsutta Mills Light.</i>
140	-----	-----	1891	-----	-----	On the northerly prolongation of the range line marked by Palmer Island and Fairhaven Bridge Lights to clear Butler Flat.
141	White tower and dwelling; lantern, black.	33½	1847	-----	-----	Nye Ledge Buoy, S. by E. $\frac{1}{2}$ E. A guide to Matapolsett Harbor.
142	White tower and white frame dwelling; lantern, black.	31	1819	1889	-----	A guide to Wareham, Sippican Harbor, and up the bay. Wings Neck Light, E. $\frac{1}{2}$ N.; Sippican Lower Wharf, NW. by N.
143	White, hexagonal, frame tower 20 feet SW. from white frame dwelling; lantern, black.	32½	1849	1889	-----	A guide to the head of Buzzards Bay, and towards Pocasset. Bird Island Light, W. $\frac{1}{2}$ S.

RHODE ISLAND.

THIRD DISTRICT.

144	White conical tower on brown cylindrical foundation; lantern, black.	43	1884	-----	Sachuest Point, NW. $\frac{1}{2}$ W., $2\frac{1}{2}$ miles; Schuyler Ledge Buoy, S. by E., $\frac{1}{2}$ mile; Brenton Reef Light-Vessel, W. $\frac{1}{2}$ N., $7\frac{1}{2}$ miles.
145	Two masts, schooner-rigged; circular black cagework day-mark at each masthead. Hull, straw color, with the words "BRENTON REEF" in large black letters on each side, and "11" in large black figures amidships on starboard side, and on the quarter on port side.	-----	1850	-----	Bell or gong rings continuously about 10 sec., silent intervals about 30 sec.
146	Square granite tower, attached to SE. angle of white dwelling.	45 $\frac{1}{2}$	1761	1856	10-inch steam whistle; blasts $\frac{1}{2}$ sec., alternate silent intervals of 10 and 50 sec.
147	Conical granite tower on granite pier; lantern black.	-----	1890	-----	A guide through the Eastern Passage of Narragansett Bay to Newport Harbor.
148	Square pyramidal frame tower, base painted white, upper part shingled, natural color.	-----	1889	-----	Bell struck by machinery every 10 sec.
149	Lantern on NW. corner of white dwelling.	13	1854	-----	To guide vessels through the S. entrance. There is bold water off the Lime Rocks, but a long spit makes out from the S. end of Goat Island.
150	White stone tower and attached dwelling.	29	1823	1865	Bell struck by machinery every 15 sec.

THIRD DISTRICT.

RHODE ISLAND AND MASSACHUSETTS.

Number.	Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
151	Rose Island	On the SW. point of Rose Island, R. I. ...	41° 29' 44" 71° 20' 36"	Fixed red	6	50	7½
152	Dutch Island	On S. end of Dutch Island, R. I.	41° 29' 48" 71° 24' 17"	Fixed white	4	56	13
153	Gull Rocks	On Gull Rocks, N. entrance to Newport Harbor, R. I.	41° 30' 09" 71° 20' 01"	{ Fixed red (E. light) } { Fixed white (W. light) }	Public lanterns.	44	
154	Gould Island	On E. side of Gould Island, about ½ mile from its N. end, R. I.	41° 32' 03" 71° 20' 37"	Flashing white every 10 sec.	5	52	12½
155	Conanicut Island	On North Point, N. end of Conanicut Island, R. I.	41° 34' 25" 71° 22' 20"	Fixed red	5	47	8½
156	Wickford Harbor	On Old Gay Rock, in Wickford Harbor, R. I.	41° 34' 22" 71° 26' 14"	Fixed white	5	52	12
157	Prudence Island	On Sand Point, E. side of Prudence Island, R. I.	41° 36' 21" 71° 18' 14"	Fixed white	5	30	11
158	Hog Island Shoal Light-Vessel, No. 12.	Off the extremity of the shoal making off from the SE. point of Hog Island, R. I.	41° 37' (49) 71° 16' (20)	Fixed white	Ref'r.	38	11½
159	Muscle Bed Shoals	On SE. side of the channel opposite to Bristol Ferry Light, R. I.	41° 38' (11) 71° 15' (57)	Fixed red	6	35	7½
160	Bristol Ferry	On Bristol Ferry Point, N. side of entrance to Mount Hope Bay, R. I.	41° 38' 35" 71° 15' 39"	Fixed white	6	35	11
161	Warwick	On S. extremity of Warwick Neck, R. I.	41° 40' 01" 71° 22' 43"	Fixed white	4	54	13
162	Borden Flats	On Borden Flats, Mount Hope Bay, opposite Fall River, Mass.	41° 42' (21) 71° 10' (20)	Fixed red	5	50	8½
163	Conimicut	On end of Conimicut Sand Spit, W. side of entrance to Providence River, R. I.	41° 43' 02" 71° 20' (46)	Fixed white	4	60	15
164	Bullock Point	At the point of the shoal off Bullock Point, Providence River, R. I., E. side of channel.	41° 44' 18" 71° 22' (13)	Fixed red	6	50	7½
165	Sabine Point	In Providence River, R. I., on the shoal off Sabine Point, near the eastern edge of the channel.	41° 45' 44" 71° 22' (32)	Fixed white	6	51	11
166	Pomham Rocks	In Providence River, R. I., near eastern edge of the channel.	41° 46' 39" 71° 22' (12)	Fixed red	6	69	7½
167	Fuller Rock	In Providence River, R. I., opposite Field Point, near eastern edge of the channel.	41° 47' 38" 71° 22' (48)	Fixed white	6	28	10
168	Sassafras Point	Off Sassafras Point, Providence River, R. I., western side of channel.	41° 49' (00) 71° 23' (30)	Fixed red	6	25	7½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

RHODE ISLAND AND MASSACHUSETTS.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
151	Black lantern on white dwelling, with Mansard roof.	30	1869	.....	Bell struck by machinery, a double blow every 15 sec.	To guide through the Eastern Passage, up the bay, and to Newport Harbor.
152	Square white tower and attached dwelling.	35	1826	1857	Bell struck by machinery every 15 sec.	To guide through the Western Passage of Narragansett Bay and to Dutch Island Harbor.
153	Wedge-shaped wooden building, with truncated gable ends.	33	1887	.....	Bell struck by machinery every 5 sec.	Lights exhibited above gable ends of building, and range about ENE. $\frac{1}{2}$ E. and WSW. $\frac{1}{2}$ W.
154	Conical red-brick tower, surmounted by a black lantern. Keeper's dwelling—first story, red brick; second story and roof, shingled, natural color; stands 30 feet southerly of tower.	30	1889	.....	Bell struck by machinery every 15 sec.	To guide through the Eastern Passage of Narragansett Bay.
155	Square wooden tower on corner of frame dwelling. Tower and dwelling, white; lantern, black.	37	1886	.....	Bell struck by machinery, a double blow every 30 sec.	Wickford Harbor Light, W. $\frac{1}{2}$ N., 2 $\frac{1}{2}$ miles; Warwick Light, N. $\frac{1}{2}$ E., 5 $\frac{1}{2}$ miles.
156	Square white tower and attached dwelling standing on a red iron pier; lantern, black.	42	1882	.....	Bell struck by machinery every 20 sec.	To guide through Western Passage, up the bay, and to Wickford.
157	White octagonal tower.....	25	1852	.....	Bell struck by machinery every 15 sec.	A guide through Eastern Passage and to Fall River.
158	Two masts, schooner-rigged; square black cagework day-mark at foremast head. Hull lead-color, with the words "HOG ISLAND SHOAL" in large black letters on each side, and "No. 12," in black, on each quarter.	.....	1886	.....	Bell.....	A guide into Bristol Harbor and Mount Hope Bay. Mussole Bed Shoals Light, ENE. $\frac{1}{2}$ E., $\frac{1}{2}$ mile; Bristol Ferry Light, NE. $\frac{1}{2}$ E., $\frac{1}{2}$ mile; Southwest Point, Hog Island, NW. $\frac{1}{2}$ W., nearly $\frac{1}{2}$ mile.
159	Lantern on gable of small red dwelling, standing on square granite pier.	19	1873	1877	Bell struck by machinery every 20 sec.	A guide through Bristol Ferry Channel. Bristol Ferry Light, N. $\frac{1}{2}$ E., about $\frac{1}{2}$ mile; Prudence Island Light, SW. by W. $\frac{1}{2}$ W., about 2 $\frac{1}{2}$ miles.
160	Square white tower, and dwelling attached; lantern, black.	28	1855	.....	.....	To guide to Fall River.
161	Square white tower on old stone dwelling, detached frame dwelling to northward.	28	1826	1889	Bell struck by machinery, a single and a double blow alternately; intervals 20 sec.	The light can be seen after passing Dutch Island Light or Newport Harbor Light.
162	White conical tower on brown cylindrical foundation; lantern, black.	35	1881	.....	Bell struck by machinery every 15 sec.	.....
163	White conical tower on brown cylindrical foundation.	60	1868	1883	Bell struck by machinery every 15 sec.	Marks the entrance to Providence River.
164	Drab dwelling, with gable roof, from the middle of which rises a square tower, surmounted by black lantern with black railings. The structure stands on a rectangular granite pier.	35	1872	1876	.....	.....
165	White octagonal tower; on granite dwelling with Mansard roof; lantern, black. The structure stands on a pier of rock-faced granite.	36	1872	.....	.....	.....
166	Square white tower in the center of the front of a dwelling with Mansard roof; lantern, black.	37	1871	.....	.....	Marks the eastern limit of the channel.
167	White portable beacon, hexagonal in form, on a granite pier; lantern, black.	14	1872	.....	.....	.....
168	White portable beacon, hexagonal in form, on a granite pier; lantern, black.	14	1872	.....	.....	.....

THIRD DISTRICT. RHODE ISLAND, CONNECTICUT, AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.		Characteristic of light.	Order of light.	Height of light above sea level, in feet.		Distance visible, in nau- tical miles.
169	Whale Rock	On Whale Rock, W. side of entrance to Western Passage of Narragansett Bay, R. I.	41 71	26 25	40 27	Fixed red.....	4	73	11½
170	POINT JUDITH.....	On extremity of Point Judith Neck, W. point of entrance to Narragansett Bay, R. I.	41 71	21 28	40 55	Flashing white every 15 sec.	4	67	14
171	BLOCK ISLAND (N).....	On Sandy Point, the N. extremity of Block Island, R. I., easterly entrance to Block Island Sound.	41 71	13 34	40 35	Fixed white	4	61	13½
172	Range. { Block Island Breakwater (front).	On extremity of Government Pier, W. side of entrance into Basin Harbor, on E. side of Block Island, R. I.				Fixed red	Tub'lar lantern	12	
173		Block Island Breakwater (rear).	On the land back of inner edge of Basin Harbor, R. I.				Fixed red	Tub'lar lantern	60
174	BLOCK ISLAND (SE.).....	On Mohegan Bluffs, on SE. point of Block Island, R. I.	41 71	09 33	10 08	Fixed white	1	204	21
175	WATCH HILL.....	On Watch Hill Point, R. I., 3 miles southeasterly of Stonington, Conn.	41 71	18 51	14 32	Fixed white	4	62	13
176	MONTAUK POINT.....	On the extreme E. end of Long Island, N. Y.	41 71	04 51	16 27	Fixed white, varied by a white flash every 2 minutes.	1	169½	19½
177	Stonington Breakwater.....	On E. end of West Breakwater, at the entrance to Stonington Harbor, Conn.	41 71	19 54	(31) (49)	Fixed red	4	35	11
178	Latimer Reef.....	On Latimer Reef, Fishers Island Sound, N. Y., about ¼ mile northwesterly from East Point, Fishers Island.	41 71	18 56	16 02	Flashing white every 10 sec.	5	56	13
179	Ram Island Reef Light Vessel, No. 19.	To the southward of Ram Island Reef, Fishers Island Sound, N. Y.	41 71	18 58	(10) (31)	Fixed white	Ref'r.	43	11½
180	Morgan Point	On S. extremity of Morgan Point, near Noank, N. side of Fishers Island Sound, Conn.	41 71	18 59	59 24	Fixed white	6	61	11
181	North Dumpling.....	On SW. side of North Dumpling Island, Fishers Island Sound, N. Y.	41 72	17 01	16 11	Fixed white, with a fixed red sector between W. ¼ S. through southward to NNE. ¼ E.	5	70½	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

RHODE ISLAND, CONNECTICUT, AND NEW YORK. THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
166	White, conical tower, on red cylindrical foundation; lantern, black.	73	1882		Bell struck by machinery a double blow every 20 sec.									
170	White tower, connected with dwelling.	46	1810	1857	1st-class steam siren; blasts 6 sec., silent intervals 40 sec.	Between and nearly in range with Beavertail and Block Island (N.) Lights. There is a signal-display station here and a life-saving station about 100 yards to the northward of the tower. Siren sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>6 sec.</td><td>40 sec.</td><td>6 sec.</td><td>40 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	6 sec.	40 sec.	6 sec.	40 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
6 sec.	40 sec.	6 sec.	40 sec.											
171	Light-brown tower, on a gray granite dwelling.	46	1829	1867		To guide vessels clear of the low sand point extending about 1½ miles northerly from the light-house.								
172	Lantern hung on stake standing at end of pier.	12	1874			Range-lights for the harbor of Block Island Breakwater. The line of range is tangent with the outer extremity of the detached breakwater.								
173	Lantern on mast near small white house, back of the bulkhead of the basin.	48	1874											
174	Octagonal tower, attached to red brick dwelling with granite trimmings; lantern, black. Fog-signal building 100 feet SE.	52	1874		1st-class steam siren; blasts 4 sec., silent intervals 30 sec.	There is a signal-display station here. Siren sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>4 sec.</td><td>30 sec.</td><td>4 sec.</td><td>30 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	4 sec.	30 sec.	4 sec.	30 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
4 sec.	30 sec.	4 sec.	30 sec.											
175	Gray granite tower, attached to SE. corner of white building.	40	1807	1857		To guide through Fishers Island Sound. There is a life-saving station about 300 yards to the northward.								
176	White tower; white dwelling on hill near by.	97	1795	1860	1st-class Daboll trumpet; blasts 12 sec., silent intervals 50 sec.	Forty-seven miles from Gay Head Light, 32½ miles from Shinnecock Bay Light, and 67½ miles from Fire Island Light. There is a life-saving station on the point, about 250 yards to the southward of the tower. Trumpet sounds thus: <table><tr><td><u>Blast,</u></td><td><u>Silent interval,</u></td><td><u>Blast,</u></td><td><u>Silent interval,</u></td></tr><tr><td>12sec.</td><td>50 sec.</td><td>12sec.</td><td>50 sec.</td></tr></table>	<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>	12sec.	50 sec.	12sec.	50 sec.
<u>Blast,</u>	<u>Silent interval,</u>	<u>Blast,</u>	<u>Silent interval,</u>											
12sec.	50 sec.	12sec.	50 sec.											
177	White, conical tower, with octagonal base on masonry foundation forming end of breakwater; lantern, black.	25	1889		Bell struck by machinery a double blow every 30 sec.	To guide into Stonington Harbor.								
178	White, conical tower; on brown cylindrical foundation; lantern, black.	44	1884		Bell struck by machinery every 15 sec.	The main channel through Fishers Island Sound lies to the southward of this light. Morgan Point Light, NW. by W. ½ W., 2½ miles; Stonington Breakwater Light, NE. ½ E., 1½ miles; Watch Hill Light, E. by S., 3½ miles.								
179	Two masts, schooner-rigged; circular red cagework day-mark at each masthead. Hull, straw-color, with the words "RAM ISLAND" in large black letters on each side, and "No. 19" in black on each quarter.		1886		Bell.	Moored in 7 fathoms of water. North Dumpling Light, WSW. ½ W., 2½ miles; Morgan Point Light, NNW. ½ W., 1 mile; Latimer Reef Light, E. ½ S., 1½ miles; Ram Island Reef Spindle, N. by E. ½ E., nearly ½ mile.								
180	Light on granite dwelling	44	1831	1867		Harbor light.								
181	White tower on dwelling	39½	1848	1871	Bell struck by machinery every 15 sec.	The northerly edge of the red sector passes about 300 yards to the southward of Latimer Reef Light and the sector covers East Clump. The westerly edge of the red sector passes to the eastward of Race Rock Light and to the westward of Race Point, Fishers Island.								

THIRD DISTRICT.

CONNECTICUT AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
182	New London Harbor	West side of entrance to Thames River, Conn.	41 19 00 72 05 25	Fixed white with a fixed red sector be- tween N. $\frac{1}{2}$ E. and NE. $\frac{1}{2}$ E.	4	90	15
183	Bailey Point Post-Light, No. 2.	On shore at Bailey Point, E. side of the river, Conn.		Fixed red	Tub'lar lantern.	15	
184	Scotch Cap Post-Light, No. 1.	On shore at Scotch Cap, W. side of the river, Conn.		Fixed white	Tub'lar lantern.	10	
185	Cow Point Post-Light, No. 4.	On shore at Cow Point, E. side of the river, Conn.		Fixed red	Tub'lar lantern.	10	
186	Ice House Post-Light, No. 8.	In water, W. side of lower end of Cross-over Channel, opposite the Ice House, Conn.		Fixed white	Tub'lar lantern.	10	
187	Bartlett Point Post-Light, No. 5.	On shore at Bartlett Point, W. side of the river, Conn.		Fixed white	Tub'lar lantern.	10	
188	Comstock Wharf Post- Light, No. 7.	On a shed on Comstock Wharf, W. side of the river, Conn.		Fixed white	Tub'lar lantern.	10	
189	Allyn Point Post-Light, No. 6.	On NW. corner of Allyn Wharf, E. side of the river, Conn.		Fixed red	Tub'lar lantern.	25	
190	Long Reach (lower) Post- Light, No. 8.	On E. side of channel, at lower end of Long Reach, Conn.		Fixed red	Tub'lar lantern.	10	
191	Long Reach (upper) Post- Light, No. 9.	In water, W. side of channel, at upper end of Long Reach, Conn.		Fixed white	Tub'lar lantern.	10	
192	Stoddards Old Dock Post- Light, No. 10.	On Stoddards Old Dock, E. side of the river, Conn.		Fixed red	Tub'lar lantern.	15	
193	Waldens Island Post- Light, No. 12.	On S. end of Waldens Island, E. side of the channel, Conn.		Fixed red	Tub'lar lantern.	15	
194	Mohegan Dike Post- Light, No. 14.	On Mohegan Dike, E. side of the chan- nel, Conn.		Fixed red	Tub'lar lantern.	10	
195	Indian Hill Post-Light, No. 11.	On shore end of Trading Cove Dike, W. side of the river, Conn.		Fixed white	Tub'lar lantern.	10	
196	Pride Pier Post-Light, No. 16.	On riprap of dike, E. side of channel, Conn.		Fixed red	Tub'lar lantern.	10	
197	Burnt House Pier Post Light, No. 18.	On riprap of dike, E. side of channel. Conn.		Fixed red	Tub'lar lantern.	10	
198	Perche Rock Post-Light, No. 13.	On Perche Rock, W. side of the river, Conn.		Fixed white	Tub'lar lantern.	10	
199	Sand Pier Post-Light, No. 15.	On riprap of dike, W. side of channel, Conn.		Fixed white	Tub'lar lantern.	10	
200	Lower Coal Dock Post- Light, No. 20.	On E. side of river, nearly opposite Thamesville, Conn.		Fixed red	Tub'lar lantern.	15	
201	Bartlett Reef Light-Vessel, No. 13.	Nearly $\frac{1}{2}$ mile to the southeastward of Bartlett Reef, SW. of the entrance to New London Harbor, Conn.	41 16 (17) 72 07 (50)	Two fixed white	Red'rs.	28	10
202	Race Rock	On Race Rock, off Race Point, Fishers Island, and N. side of the main east- erly entrance to Long Island Sound, N. Y.	41 14 37 72 02 51	Flashing alternately red and white; in- terval between flashes, 10 sec.	4	68½	14
203	LITTLE GULL ISLAND	South side of main easterly entrance to Long Island Sound, N. Y.	41 12 23 72 06 26	Fixed white	2	92	17

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Watch Hill Light Station R I

N.E. by N 1/2 mile

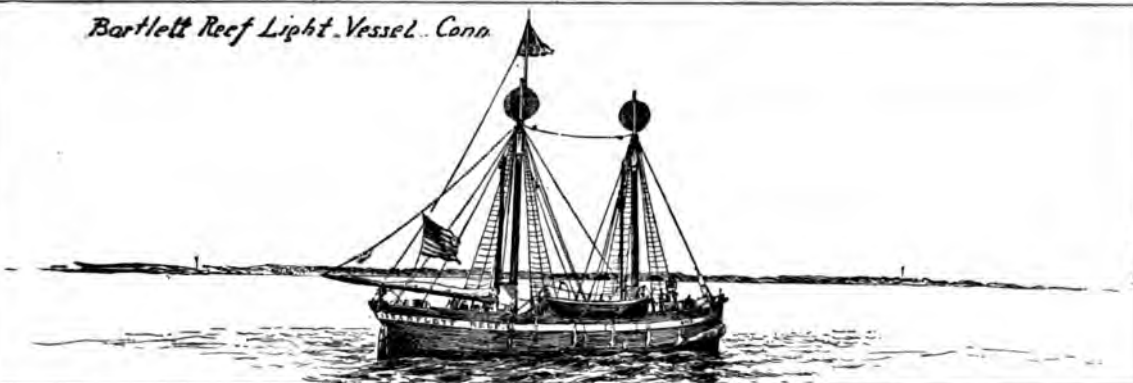


New London Harbor Light Station Conn.

N by W 1/2 mile.



Bartlett Reef Light Vessel Conn.



Race Rock Light Station. N.Y.

W.N.W. 1/4 mile.



N.L. Stebbins, Photo.

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CONNECTICUT AND NEW YORK.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
182	White stone tower attached to white dwelling.	85	1790	1864	1st-class Daboll trumpet; blasts 6 sec., silent intervals 30 sec.	To guide to New London and into the Thames River. The easterly edge of the red sector passes just to the eastward of Sarah Ledge and its westerly edge clears Goshen Point. Trumpet sounds thus: Blast, 6 sec. Silent interval, 30 sec. Blast, 6 sec. Silent interval, 30 sec.
183	Red iron post.....		1892			
184	Black iron post with white top.....		1892			
185	Red iron post.....		1892			
186	Black wooden post with white top.....		1892			
187	Black post with white top.....		1892			
188	Black bracket on shed on wharf.....		1892			
189	Red post.....		1892			
190	Dolphin of five red piles.....		1892			
191	Black wooden post with white top.....		1892			
192	Red post.....		1892			
193	Red post.....		1892			
194	Red iron post.....		1892			
195	Black iron post with white top.....		1892			
196	Red iron crane.....		1892			
197	Red iron crane.....		1892			
198	Black iron post with white top.....		1892			
199	White iron crane.....		1892			
200	Red post.....		1892			
201	Two masts, schooner-rigged; circular straw-colored day-mark at each masthead. Hull, black, with white streak; "BARTLETT REEF," in large black letters on each quarter, and "13" in black figures on the white streak on the bend of each bow.		1848		Bell or horn.....	Moored in 11 fathoms of water, SE. of the S. point of reef, rocky bottom.
202	Tower, square at base and octagonal above, attached to granite dwelling, with gable roof; all standing on a circular granite pier, with a conical landing wharf; lantern, black.	40	1878		Bell struck by machinery, double blow every 20 seconds.	Race Point, Fishers Island, NE. by E. $\frac{1}{4}$ E., $\frac{1}{4}$ mile.
203	Gray granite tower, connected with red sandstone dwelling, with Mansard roof and granite trimmings. The buildings stand on a pier of granite.	74	1806	1869	2d-class steam siren; blasts 5 sec., silent intervals, 40 sec.	To mark the eastern entrance to Long Island Sound. Siren sounds thus: Blast, 5 sec. Silent interval, 40 sec. Blast, 5 sec. Silent interval, 40 sec.

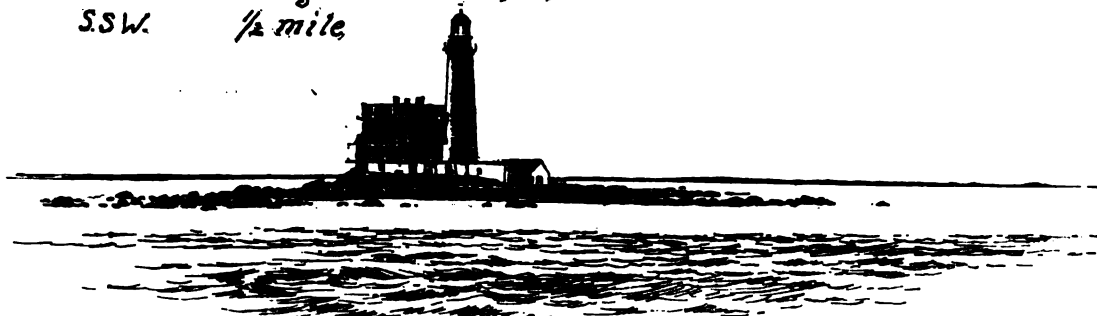
THIRD DISTRICT.

CONNECTICUT AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
204	Gardiners Island	On Gardiners Point, making out to the northward and westward from Gardiners Island, N. Y.	41 08 32 72 08 44	Fixed white	6	33	11
205	Plum Island	On W. end of Plum Island, near NE. extremity of Long Island, and N. of Gardiners Bay, N. Y.	41 10 25 72 12 43	Flashing white every 30 sec.	4	76	14
206	Long Beach Bar	Entrance from Gardiners Bay to Orient and Greenport Harbors, and to Peconic Bay, Long Island, N. Y.	41 06 33 72 18 23	Fixed red	5	54	8½
207	Cedar Island	Entrance to Sag Harbor, Long Island, N. Y.	41 03 27 72 15 41	Fixed white	6	45	11
208	Saybrook Breakwater	On S. extremity of W. jetty, mouth of Connecticut River, Conn.	41 15 48 72 20 35	Fixed white with a fixed red sector between E. & N. and ESE. & E.	4	60	13
209	Saybrook (Lynde Point)	On Lynde Point, W. side of mouth of Connecticut River, Conn.	41 16 17 72 20 37	Fixed white	5	73	13
210	Calves Island Post-Light	East side of the river, 2 miles below Essex, Conn.	41 19 26 72 21 (00)	Fixed red	Tub'lar lantern.		
211	Essex Reef Post-Light	About ½ mile below Essex, on Essex Reef, near Hayden Point, W. side of the river, Conn.	41 20 (36) 72 22 (54)	Fixed white	Lens lantern.	23	
212	Joshua Rocks Post-Light	In the water, E. side of the river, about 300 yards below Brockway Reach Light, Conn.		Fixed white	Tub'lar lantern.	10	
213	Brockway Reach Post-Light	In the river, lower end of reach, 2 miles above Essex, Conn.	41 22 20 72 23 (50)	Fixed white	Tub'lar lantern.		
214	Meadows Post-Light	In the water, E. side of the channel, opposite Brockway Reach Light, Conn.		Fixed red	Tub'lar lantern.		
215	Devils Wharf Post-Light	West side of the river, 4 miles above Essex, and below Deep Creek, Conn.	41 23 32 72 26 (08)	Fixed white	Tub'lar lantern.		
216	Deep River Post-Light	In the water, W. side of the river, about 300 yards above Devils Wharf Light, Conn.		Fixed white	Tub'lar lantern.	10	
217	Chester Rock Post-Light	On Chester Rock, about 200 yards southwesterly from mouth of Deep River, W. side of the river, Conn.	41 23 (51) 72 26 (02)	Fixed white	Lens lantern.	23	
218	Eddy Rock Post-Light	On point of rocks on W. bank of river, about 1 mile below Goodspeeds Landing, Conn.		Fixed white	Tub'lar lantern.		
219	East Haddam Meadows Post-Light	In the water, E. side of the channel, about 300 yards above East Haddam Landing, Conn.		Fixed red	Tub'lar lantern.		
220	Haddam Island (front) Post-Light	On E. bank of the river, opposite the lower end of Haddam Island, Conn.		Fixed red	Tub'lar lantern.		
221	Haddam Island (rear) Post-Light			Fixed white	Tub'lar lantern.		
222	Rock Landing Post-Light	On point on E. bank of river opposite the upper end of Haddam Island, Conn.		Fixed red	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Little Gull Island Light Station. N.Y.
S.W. 1/2 mile



Plum Island Light Station N.Y.
N.E. 1/2 mile

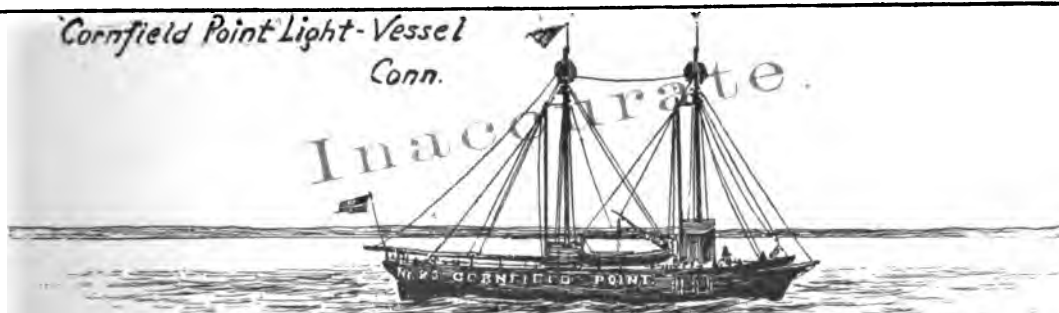


Saybrook Breakwater and Lynde Point Light Stations, Conn.
North. 1/2 mile



Cornfield Point Light-Vessel
Conn.

Inaccurate.



N.L. Stebbins' Photo

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CONNECTICUT AND NEW YORK.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
294	Dark-brown cylindrical, brick tower, with dwelling attached.	26	1855			To guide clear of northern end of Gardiners Island.
295	White tower, on granite dwelling, lantern, black.	46	1827	1809	Bell struck by machinery every 15 sec.	To guide through Plum Gut and Long Island Sound.
296	Screw-pile structure; piles, red; dwelling and tower, white; lantern, black.		1871		Bell struck by machinery every 15 sec.	Stands in 5 feet of water at mean low tide, on shoal making out southwesterly from Long Beach Point. Should be given a berth of 160 feet.
297	Light on granite dwelling	35	1839	1860	Bell struck by machinery every 20 sec.	
298	White conical tower, on brown cylindrical foundation; lantern, black.	44	1846		Bell struck by machinery every 20 sec.	To mark extremity of breakwater at entrance to Connecticut River. The red sector covers the shoals off Cornfield Point.
299	White stone tower, with white dwelling attached.	64	1803		Bell struck by machinery every 12 sec.	To guide into Connecticut River. The changes in the bar are frequent and considerable, and vessels should not attempt to cross it without a pilot.
210	Red column, with lantern on top		1856			To guide clear of an abandoned fishing-pier 50 feet N. of beacon. To be left on starboard hand.
211	Hexagonal pyramidal structure, shingled; lower half black, upper half white; lantern, black, standing on a square pyramidal crib.	13	1889			To guide clear of Essex Reef.
212	Black post		1889			To be left on port hand going up. Exhibited only during low water.
213	Black column, with lantern on top, on stone pier.		1856			To guide clear of an abandoned fishing-pier on the W. side of the channel, where the flats form an angle.
214	Red post		1892			To be left on starboard hand going up.
215	Black column, with lantern on top, on pier.		1856			To guide clear of the ledge of rocks on which it is built. It may be approached close to.
216	Black post		1889			To be left on port hand going up. Exhibited only during low water.
217	Hexagonal pyramidal structure, shingled, with lantern, standing on a square pyramidal crib, all black.	13	1889			To guide clear of Chester Rock.
218	Black post		1891			
219	Red post		1892			To be left on starboard hand going up.
220	Red post		1892			To guide through the channel on the E. side of Haddam Island.
221	Red post		1892			
222	Red post		1891			

THIRD DISTRICT.

CONNECTICUT.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
223	Scovill Rock Post-Light.	On point of rocks on W. bank of river, about $\frac{1}{2}$ mile below Sears Shoal, Conn.	0 1 "	Fixed white	Tub'lar lantern.		
224	Paper Rock Post-Light.	On point of rocks on E. bank of river, about $\frac{1}{2}$ mile above Tibball Landing, Conn.		Fixed red.	Tub'lar lantern.		
225	Bodkin Rock Post-Light.	On point of rocks on E. bank of river, about $2\frac{1}{2}$ miles below Middletown Bridge, Conn.		Fixed red.	Tub'lar lantern.		
26	Mouse Island (lower) Post-Light.	In the water, S. side of the river, about $1\frac{1}{2}$ miles below Middletown Bridge, Conn.		Fixed white	Tub'lar lantern.	10	
227	Mouse Island (upper) Post-Light.	In the water, S. side of the river, about $1\frac{1}{2}$ miles below Middletown Bridge, Conn.		Fixed white	Tub'lar lantern.	10	
228	Siam Dock Post-Light.	On E. bank of the river, about $\frac{1}{2}$ mile below Pistol Point, Conn.		Fixed red.	Tub'lar lantern.		
229	Range. { Pistol Point (front) Post-Light.	On E. bank of the river, at Pistol Point, Conn.		Fixed red.	Tub'lar lantern.		
230	Range. { Pistol Point (rear) Post-Light.			Fixed red.	Tub'lar lantern.		
231	Range. { Dividend Pier (rear) Post-Light.	East bank of the river, a short dis- tance below Dividend Pier Light, Conn.		Fixed red.	Tub'lar lantern.		
232	Range. { Dividend Pier (front) Post-Light.			Fixed red.	Tub'lar lantern.		
233	Range. { Two Piers Channel (front) Post-Light.	On E. bank of the river, near Glas- tounbury Landing, Conn.		Fixed red.	Tub'lar lantern.		
234	Range. { Two Piers Channel (rear) Post-Light.			Fixed red.	Tub'lar lantern.		
235	Range. { Press Barn Bar (front) Post-Light.	On E. bank of the river, about 1 mile below Naubuc, Conn.		Fixed red.	Tub'lar lantern.		
236	Range. { Press Barn Bar (rear) Post-Light.			Fixed red.	Tub'lar lantern.		
237	Range. { Naubuc (front) Post- Light.	On E. bank of the river, near Naubuc, Conn.		Fixed red.	Tub'lar lantern.		
238	Range. { Naubuc (rear) Post- Light.			Fixed red.	Tub'lar lantern.		
239	Range. { Clay Bank (front) Post-Light.	On E. bank of the river, about 2 miles below Hartford, Conn.		Fixed red.	Tub'lar lantern.		
240	Range. { Clay Bank (rear) Post-Light.			Fixed red.	Tub'lar lantern.		
241	Range. { Colt Pier (front) Post- Light.	In the water, W. side of the river, Hartford, Conn.		Fixed white	Tub'lar lantern.	10	
242	Range. { Colt Pier (rear) Post- Light.			Fixed white	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

CONNECTICUT.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
223	Black post.....		1891			
224	Red post.....		1891			
225	Red post.....		1891			
226	Black post.....		1889			To be left on port hand going up. Exhibited only during low water.
227	Black post.....		1889			To be left on port hand going up. Exhibited only during low water.
228	Red post.....		1892			To be left on starboard hand going up.
229	Red post.....		1892			} To guide to the channel above Pistol Point.
230	Red post.....		1892			
231	Black post.....		1889			} To guide clear of Dividend Bar.
232	Red post.....		1889			
233	Red post.....		1892			} To guide through channel below Glastonbury Landing.
234	Red post.....		1892			
235	Red post.....		1892			} To serve as a guide to the channel above.
236	Red post.....		1892			
237	Red post.....		1889			} Range for crossing from W. to E. side of river, going down.
238	Red post.....		1889			
239	Red post.....		1892			} To guide clear of a sunken pier in the river above.
240	Red post.....		1892			
241	Black post at outer end of old Government piling.		1889			} To guide through dredged outs. Exhibited only during low water. In standing up the river, vessels should keep on the E. side until past Colt Pier, then bring the two lights in range and keep the range on until about 150 feet from the front light, thence follow the Government stonework, leaving it 50 or 60 feet to the westward.
242	Black post on beach, 660 feet from preceding.		1891			

THIRD DISTRICT.

CONNECTICUT AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
243	<i>Cornfield Point Light-Vessel, No. 51.</i>	About midway of and $\frac{1}{2}$ mile S. of Long Sand Shoal, off Cornfield Point, and to the southward and westward of the mouth of Connecticut River, Conn.	0 / " 41 12 (56) 72 22 (33)	Fixed white (electric) 12 sec., eclipse 3 sec.	Lens lantern.	54	12 $\frac{1}{2}$
244	HORTON POINT.....	On Horton Point, the NW. point of Hor- ton Neck, N. side of Long Island, N. Y.	41 05 07 72 26 46	Fixed white	3	105	16
245	Falkner Island	Off Guilford Harbor, N. side of Long Island Sound, Conn.	41 12 43 72 39 15	Fixed white, varied by a white flash every 90 sec.	4	96	15
246	SOUTHWEST LEDGE	On Southwest Ledge Reef, entrance to New Haven Harbor, Conn.	41 14 04 72 54 45	Fixed white, with a fixed red sector be- tween WNW. $\frac{1}{4}$ W. and W. $\frac{1}{4}$ N.	4	57	13
247	New Haven Long Wharf.....	On end of Long Wharf, New Haven, Conn.	41 17 34 72 54 56	Fixed red.....	Tub'lar lantern.	21	....
248	Stratford Point.....	West side of entrance to Housatonic River, N. side of Long Island Sound, Conn.	41 09 07 73 06 13	Flashing white every 45 sec.	3	55	12 $\frac{1}{2}$
249	STRATFORD SHOAL (Middle Ground).	On Middle Ground, N. Y., about midway between Stratford Point and Old Field Point Lights.	41 03 36 73 06 06	Flashing white every 10 sec.	4	63	13 $\frac{1}{2}$
250	Old Field Point.....	On Long Island, N. Y., to the south- ward of Stratford Shoal Light, and nearly opposite Bridgeport, Conn.	40 58 37 73 07 09	Fixed white	4	79	14 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

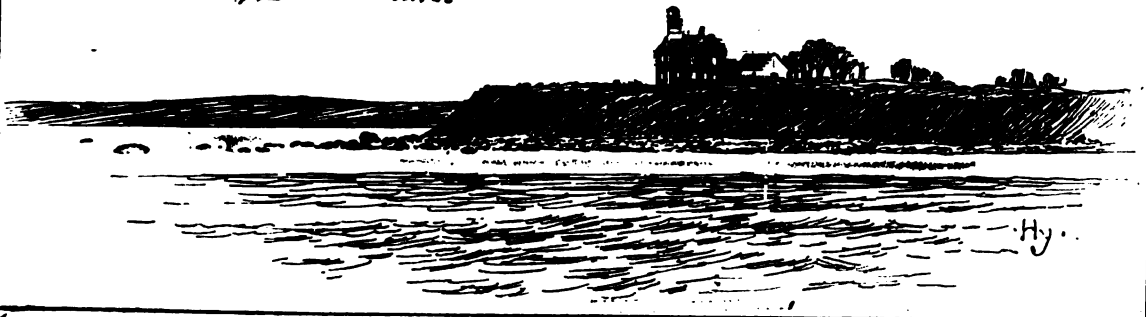
Falkner Island Light Station Conn.
N E by E 3/4 mil



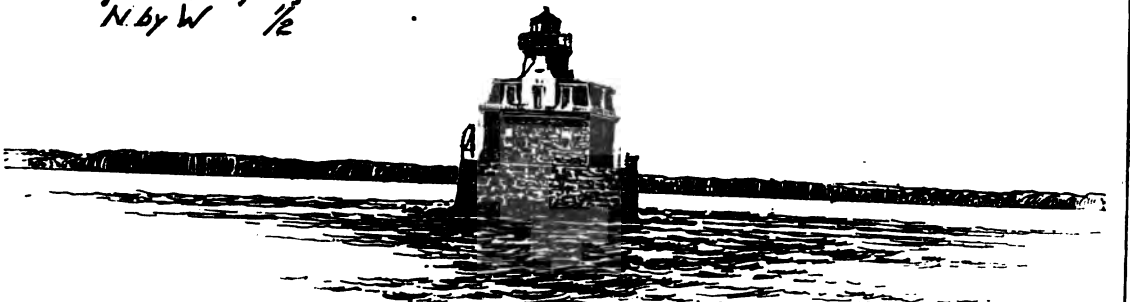
Southwest Ledge Light Station. Conn.
N. E 1/4 mile.



Old Field Point Light Station N.Y
SE by E 1/2 mile



Penfield Reef Light Station. Conn
N. by W 1/2





CONNECTICUT AND NEW YORK.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
243	Steam light-vessel, two masts, schooner-rigged, and no bowsprit. Mastheads, black, and at each there is a circular iron gallery under the lens lanterns. Black smokestack and fog signal between the masts. Hull, red, with the words "CORNFIELD POINT LIGHT-VESSEL" in large white letters on each quarter and "No. 51" in large white figures on each bow.	-----	1856	1862	12-inch steam whistle; blasts 3 sec., silent intervals 12 sec. If whistle be disabled a bell will be rung by hand.	Moored in 25 fathoms of water. Saybrook (Lynde Point) Light, NNE. $\frac{1}{2}$ E., nearly 3 $\frac{1}{2}$ miles; Saybrook Breakwater Light, NE. $\frac{1}{2}$ N., 3 $\frac{1}{4}$ miles; Race Rock Light, E. $\frac{1}{2}$ S. 14 $\frac{1}{2}$ miles; Little Gull Island Light, ESE. $\frac{1}{2}$ E., easterly, 12 $\frac{1}{2}$ miles; Plum Island Light, SE. by E. $\frac{1}{2}$ E., 7 $\frac{1}{2}$ miles; Horton Point Light, SSW. $\frac{1}{2}$ W., westerly, 8 $\frac{1}{2}$ miles; Falkner Island Light, W. $\frac{1}{2}$ N., 12 $\frac{1}{2}$ miles; Hen and Chickens Beacon, N. by W. $\frac{1}{2}$ W., westerly, 2 $\frac{1}{2}$ miles; Cornfield Point, N. $\frac{1}{2}$ W., 2 $\frac{1}{2}$ miles. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>3 sec.</td><td>12 sec.</td><td>3 sec.</td><td>12 sec.</td></tr></table> In each minute the light becomes visible four times (during periods of 12 seconds each) and the fog signal sounds four blasts (each of 3 seconds' duration). If, from any cause, the light can not be shown from the mainmast, it will be shown with the same characteristics from the foremast head. Should the electric-light machinery become entirely inoperative, 11 lights will be placed in one set of lens lanterns, and the characteristic of the light will be fixed white.	Blast,	Silent interval,	Blast,	Silent interval,	3 sec.	12 sec.	3 sec.	12 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
3 sec.	12 sec.	3 sec.	12 sec.											
244	Square white brick tower, with dwelling attached.	85	1837	-----	-----	-----								
245	White octagonal tower, with dwelling attached. Fog-signal building 150 feet to the northward.	46	1801	1871	10-inch steam whistle; blasts 8 sec., silent intervals 52 sec. If whistle be disabled, a bell will be struck by machinery every 15 sec.	To guide through Long Island Sound and clear of reefs in the vicinity of the island. Ship-channel to the southward. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>8 sec.</td><td>52 sec.</td><td>8 sec.</td><td>52 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	8 sec.	52 sec.	8 sec.	52 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
8 sec.	52 sec.	8 sec.	52 sec.											
246	White octagonal house, one-story, with high Mansard roof; lantern black, on brown cylindrical foundation.	32	1877	-----	Bell struck by machinery every 15 sec. (After January 7, 1893.)	The light may be approached close to on all sides except in the direction E. by N., where there are rocks varying from 150 to 350 yards distant, having 10 to 13 feet depth over them at low water. The southern edge of the red sector passes about $\frac{1}{2}$ of a mile to the southward of the beacon on Branford Reef, and guides clear of the reef.								
247	Square drab tower, with brown trimmings.	16	1854	1861	-----	There is a signal-display station here.								
248	White, conical tower; lantern, black. White dwelling detached. Fog-signal building, white.	35	1821	1881	Bell struck by machinery every 15 sec.	To guide through Long Island Sound and into Stratford, Conn. Approaching Stratford Point from the E., keep the lead in hand. The bottom never changes from soft to hard, and the land should not be approached nearer than in 3 $\frac{1}{2}$ fathoms. In passing through the sound give the light a berth of not less than 2 $\frac{1}{2}$ miles, to clear the shoals lying southwesterly from Stratford Point.								
249	Gray octagonal tower, projecting from S. side of square house standing on pier.	40	1877	-----	2d-class Daboll trumpet; blasts 6 sec., silent intervals 21 sec. If trumpet be disabled, a bell will be struck by machinery, a triple blow every 15 sec.	Stratford Point Light, N. $\frac{1}{2}$ E., 5 $\frac{1}{2}$ miles; Old Field Point Light, S. by W. $\frac{1}{2}$ W., 5 miles. Trumpet sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>6 sec.</td><td>21 sec.</td><td>6 sec.</td><td>21 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	6 sec.	21 sec.	6 sec.	21 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
6 sec.	21 sec.	6 sec.	21 sec.											
250	Lantern on gray two-story dwelling.	46	1823	1869	-----	-----								

THIRD DISTRICT.

CONNECTICUT AND NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.			Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
			°	'	"				
251	Bridgeport Harbor	About $\frac{1}{2}$ mile offshore, S. by E. of Bridge- port, Conn., W. side of channel.	41 73	09 10	24 49	Fixed red	4	56	11 $\frac{1}{2}$
252	Black Rock	On Fayerweather Island, E. side of en- trance to Black Rock Harbor, N. side of Long Island Sound, Conn.	41 73	08 13	33 04	Fixed white	5	43	12
253	PENFIELD REEF	On Penfield Reef, about 3 miles south- westward of entrance to Bridgeport Harbor, Conn.	41 73	07 13	02 21	Flashing red every 5 sec.	4	54	12 $\frac{1}{2}$
254	Norwalk Islands	On westerly part of Sheffield Island, one of the Norwalk group; marks W. en- trance to Norwalk River, Conn.	41 73	02 25	56 11	Fixed white, varied by a red flash every minute.	4	32	12 $\frac{1}{2}$
255	EATONS NECK	On Eatons Point, E. side of entrance to Huntington Bay, Long Island, N. Y.	40 73	57 23	14 45	Fixed white	3	147	18
256	Lloyd Harbor	In Huntington Bay, Long Island, N. Y., on SE. point of Lloyd Neck, and N. side of entrance to harbor.	40 73	54 26	54 06	Fixed red	5	40	8 $\frac{1}{2}$
257	Cold Spring Harbor	On easterly point of shoal extending to eastward from Center Island into the entrance to Oyster Bay and Cold Spring Harbor, Long Island, N. Y.	40 73	54 29	51 42	Fixed white, with a fixed red sector, be- tween SE. $\frac{1}{2}$ E. and NE. $\frac{1}{2}$ E.	4	44	11 $\frac{1}{2}$
258	Stamford Harbor	On SW. extremity of Harbor Ledge, Stamford Harbor, Conn.	41 73	00 32	49 35	Fixed red	4	60	11 $\frac{1}{2}$
259	Great Captain Island	On the southeasterly part of the island, south-southwesterly from Greenwich Point, N. side of Long Island Sound, N. Y.	40 73	58 37	57 26	Fixed white	4	74	14
260	Execution Rocks	About $\frac{1}{2}$ mile to the northward and westward of Sands Point, Long Island, N. Y.	40 73	52 44	41 17	Flashing white from E. by N. through northward, east- ward, and south- ward to NE. $\frac{1}{2}$ N.; flashing red through- out the remaining sector; interval be- tween flashes 10 sec.	4	58	13
261	Sands Point	On NW. extremity of Manhasset Neck, Long Island, N. Y.	40 73	51 43	57 48	Fixed white	4	68	13
262	Stepping Stones	On outer edge of Stepping Stones Reef, $\frac{1}{2}$ miles south-southwesterly of Hart Island, N. Y.	40 73	49 46	23 31	Fixed red	5	49	8 $\frac{1}{2}$
263	Throgs Neck	On NE. side of Fort Schuyler, SE. end of Throgs Neck, N. Y.	40 73	48 47	(21) (28)	Fixed white	5	72 $\frac{1}{2}$	12 $\frac{1}{2}$
264	Whitestone Point Post-Light.	On Whitestone Point, N. Y.	40 73	48 49	02 12	Fixed white	Lens lantern.	40	.....
265	Flushing Bay Post-Light	On dike in Flushing Bay, N. Y.	40 73	46 51	(13) (12)	Fixed red	Tubular lantern.	18	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Norwalk Islands Light Station Conn.
N by E 1/2 mile.



Eaton Neck Light Station N.Y.
E.S.E 1/2 mile



Stamford Harbor Light Station Conn.
N by E 1/2 mile



Great Captain Island Light Station N.Y.
N.E by E 1/2 mile.







Execution Rocks Light Station N.Y.

N.N.W. 1/4 mile



Sands Point Light Station N.Y.

E. S. E. 1/2 mile



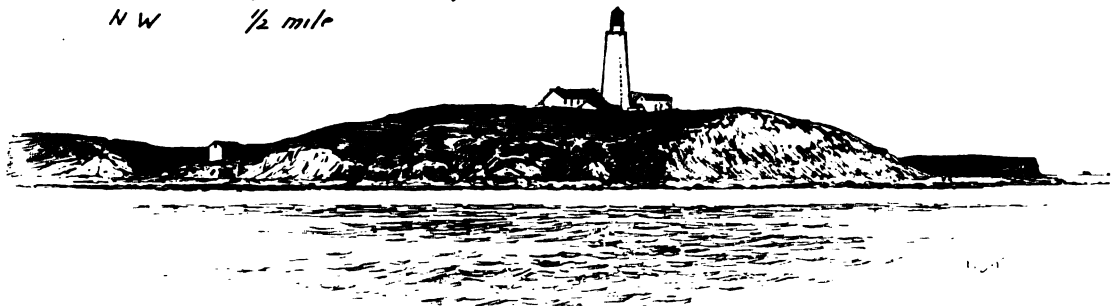
Stepping Stones Light Station N.Y.

W by S 1/4 mile



Montauk Point Light Station N.Y.

N.W. 1/2 mile



CONNECTICUT AND NEW YORK.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
31	Screw-pile structure; piles, red; tower and dwelling, white; Mansard roof, slate-color; lantern, black.	34	1851	1871	Bell struck by machinery every 15 sec.	Bridgeport Harbor is quite shoal, and should not be approached as a harbor of refuge by strangers. The light must not be approached nearer than 200 feet.								
32	White stone tower; lantern, black	33	1808			To guide into harbor of refuge at Black Rock.								
33	White tower on granite dwelling with Mansard roof, standing on dark pier; lantern, white; dome, black.	37	1873		Daboll trumpet; blasts 3 sec., silent intervals 17 sec. If trumpet be disabled, a bell will be struck by machinery, a double blow every 20 sec.	To guide into the harbor of Bridgeport, Conn., and into the harbor of refuge at Black Rock, Conn.; also a coast light for Long Island Sound. Trumpet sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>3 sec.</td><td>17 sec.</td><td>3 sec.</td><td>17 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	3 sec.	17 sec.	3 sec.	17 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
3 sec.	17 sec.	3 sec.	17 sec.											
34	Gray octagonal tower on gable end of two-story granite dwelling; lantern, black.	46	1826	1869		To guide through Long Island Sound and into Norwalk River. Great Reef, marked by a spindle, lies SW. by S., $\frac{1}{2}$ mile from the light.								
35	White tower, and dwelling attached; lantern, black.	63	1798		2d-class steam siren; blasts 9 sec., silent intervals 35 sec.	To guide through the sound and to Huntington Bay. Siren sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>9 sec.</td><td>35 sec.</td><td>9 sec.</td><td>35 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	9 sec.	35 sec.	9 sec.	35 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
9 sec.	35 sec.	9 sec.	35 sec.											
36	Square white brick tower, and dwelling attached.	34	1857			To guide through Huntington Bay and into Lloyd Harbor.								
37	Square, lead-colored, pyramidal, wooden tower on black cylindrical foundation pier; lantern, black.		1890		Bell struck by machinery every 30 sec.	The northerly edge of the red sector cuts Center Island Reef or Middle Ground Buoy, (black, No. 17), and its southerly edge is tangent to Plum Point.								
38	White conical tower, on red cylindrical foundation; lantern, black.	60	1882		Bell struck by machinery every 20 sec.									
39	White tower on S. gable of granite dwelling.	46	1829	1868	10-inch steam whistle; blasts 3 sec., silent intervals 27 sec.	Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>3 sec.</td><td>27 sec.</td><td>3 sec.</td><td>27 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	3 sec.	27 sec.	3 sec.	27 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
3 sec.	27 sec.	3 sec.	27 sec.											
40	White tower, with granite dwelling attached on W. side.	47	1848	1868	1st-class automatic steam siren; blasts 3 sec., silent intervals 17 sec.	The southerly edge of the red sector clears the southern point of Hart Island and guides clear of that island. Siren sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>3 sec.</td><td>17 sec.</td><td>3 sec.</td><td>17 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	3 sec.	17 sec.	3 sec.	17 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
3 sec.	17 sec.	3 sec.	17 sec.											
41	White tower, with light-brown dwelling attached; lantern, black.	46	1809	1864										
42	Lantern on red-brick dwelling, with stone trimmings and Mansard roof, on granite pier.	36	1877		Bell struck by machinery, a double blow every 20 sec.									
43	White, square, pyramidal, skeleton, iron tower; lantern black.	61½	1826	1890	Bell struck by machinery every 15 sec.	Marks the NW. side of entrance to East River.								
44	Square pyramidal frame tower on piers; lower part, white; upper, wood-color.	20	1889		Bell struck by machinery, a double blow every 30 sec.									
45	White stake with crib at base, shelf on stake to support lantern.		1889			Marks dike when submerged at high water and to guide to the town of Flushing. Dike now extends 1,600 feet due N. of light. A temporary light is exhibited at the end of the dike pending its completion.								

THIRD DISTRICT.

NEW YORK AND NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
EAST RIVER.	266 Rikers Island Post-Light.....	On N. end of Rikers Island, N. Y.....	40 47 (50) 73 53 (20)	Fixed red.....	Tub'lar lantern.	35	-----
	267 North Brother Island.....	On S. end of North Brother Island, N. Y.	40 47 57 73 54 00	Fixed white	6	50	11
	268 South Brother Island Ledge Post-Light.	On E. side of westerly entrance to South Channel, N. Y.	40 47 (34) 73 53 (57)	Fixed red.....	Tub'lar lantern.	20	-----
	269 Lawrence Point Ledge Post- Light.	On W. side of westerly entrance to South Channel, N. Y.	40 47 (35) 73 54 (16)	Fixed white	Tub'lar lantern.	20	-----
	270 Sunken Meadow Post-Light ..	On E. side of Sunken Meadow, N. Y	40 47 (48) 73 54 (57)	Fixed red.....	Tub'lar lantern.	26	-----
	271 Hell Gate Post-Light.....	On shore at Hallets Point, Hell Gate, N. Y.	40 46 41 73 56 06	Alternately red and white, each 3 sec.	Lens lantern.	25	-----
	272 Man-o'-War Rock Post-Light.	On Man-o'-War Rock, off foot of E. Thir- ty eighth street, New York City, N. Y.	40 44 (40) 73 58 (03)	Fixed red.....	Tub'lar lantern.	33	-----
176	MONTAUK POINT	On the extreme E. end of Long Island, N. Y.	41 04 16 71 51 27	Fixed white, varied by a white flash every 2 minutes.	1	169½	19½
273	SHINNECOCK BAY	On Ponquogue Point, N. side of Shin- necock Bay, Long Island, 1 mile from line of seabeach, and about midway between Montauk Point and Fire Is- land Light-Stations, N. Y.	40 51 03 72 30 16	Fixed white	1	160	18½
274	FIRE ISLAND	Near westerly end of Fire Island, E. side of Fire Island Inlet, S. side of Long Island, N. Y.	40 37 57 73 13 08	Flashing white every minute.	1	168	19½
275	Sandy Hook Light-Vessel, No. 48.	On the prolongation of the axis of Ged- ney Channel.	40 28 (15) 73 50 (00)	Flashing red every 30 sec. (foremast). Fixed red (main- mast).	Ref'r. Ref'r.	37 37	11½ 11½
276	Scotland Light-Vessel, No. 7...	On the prolongation of the axis of South and Swash Channels, about 3¼ miles SE. ½ S. from axis of Main Channel.	40 26 (48) 73 55 (17)	Two fixed white	Ref'r.s.	45½ 45	12
277	NAVESINK (northerly light).	On small bare plateau on easternmost spur of Highlands of Navesink, N. J.	40 23 48 73 59 10	Fixed white.....	1	248	22½
278	NAVESINK (southerly light).	228 feet S. by E. ½ E. from the preceding.	40 23 46 73 59 09	Fixed white.....	1	248	22½

NOTE.— All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Great West (or Shinnecock) Bay Light Station N.Y

NNE

1½ miles

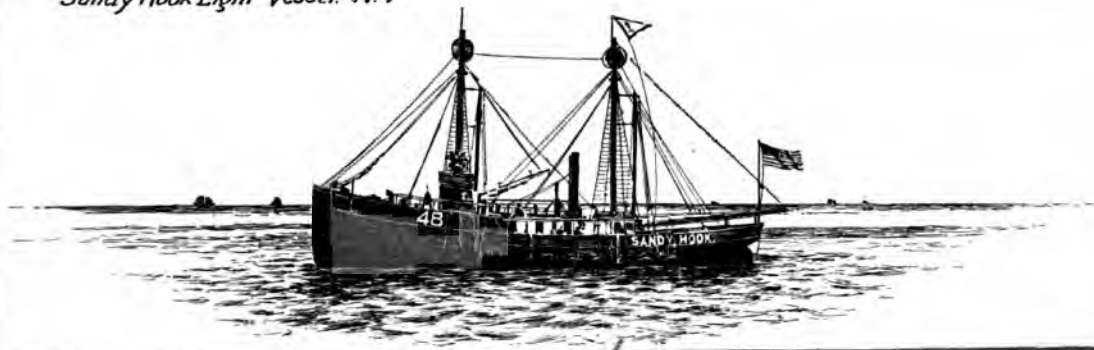


Fire Island Light Station N.Y

NE by N ½ mile



Sandy Hook Light Vessel N.Y



Wreck of Scotland Light Vessel N.Y



N.L. Stebbins Photo

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NEW YORK AND NEW JERSEY.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
266	White stake, with shelf to support lantern.	20	1889											
267	White dwelling, with Mansard roof, surmounted by black lantern.	38	1869		Bell struck by machinery every 15 sec.	Guide through channel between North and South Brother Islands.								
268	Black cylindrical foundation, surmounted by a red spindle with ball-shaped cage day-mark.		1891			Guide through South Channel of East River.								
269	Black cylindrical foundation, surmounted by a black spindle with a square cagework day-mark.		1891			Guide through South Channel of East River.								
270	Brown spindle, with bracket at top to support lantern.		1887											
271	Small pyramidal wooden tower.		1887	1889	Bell struck by machinery every 5 sec.									
272	Spindle with bracket, from which lantern is suspended, painted in alternate black and white stripes, each 6 feet wide.		1888	1891										
178	White tower; white dwelling on hill near by.	97	1795	1860	1st-class Daboll trumpet; blasts 12 sec, silent intervals 50 sec.	Forty-nine miles from Gay Head Light, 32 miles from Shinnecock Bay Light, and 67 miles from Fire Island Light. There is a life-saving station on the point, about 250 yards to the southward of the tower. Trumpet sounds thus: <table><tr><td>Blast.</td><td>Silent interval.</td><td>Blast.</td><td>Silent interval.</td></tr><tr><td>12 sec.</td><td>50 sec.</td><td>12 sec.</td><td>50 sec.</td></tr></table>	Blast.	Silent interval.	Blast.	Silent interval.	12 sec.	50 sec.	12 sec.	50 sec.
Blast.	Silent interval.	Blast.	Silent interval.											
12 sec.	50 sec.	12 sec.	50 sec.											
273	Red brick tower, with drab dwelling attached.	150	1857			Thirty-five miles to the eastward of Fire Island Light, and 32 miles to the westward of Montauk Point Light.								
274	Tower colored with alternate black and white horizontal bands, two of each color, black at the top; dark-gray granite dwelling attached, standing upon white pier.	152	1826	1858		Thirty-seven miles from Navesink Lights, 30 miles from Sandy Hook Light-Vessel, 35 miles from Shinnecock Bay Light, and 67 miles from Montauk Point Light. There is a life-saving station about 600 yards southwesterly.								
275	Two masts, schooner-rigged, no bowsprit, black masthead with black circular cagework day-mark at each. Hull, red, with the words "SANDY HOOK" in large white letters on each quarter and "No. 48" in large white figures on each bow.		1823	1891	12-inch steam chime whistle; blasts 3 sec, alternate silent intervals of 1 and 30 sec.	Moored in 78 feet of water. Navesink Lights, S.W. by W. $\frac{1}{2}$ W., $8\frac{1}{2}$ miles; Romer Shoal Light, N.W. by W. $\frac{1}{2}$ W., $8\frac{1}{2}$ miles; Centennial Tower, Coney Island, N.W. $\frac{1}{2}$ N., $8\frac{1}{2}$ miles; Scotland Light-Vessel, W.S.W. $\frac{1}{2}$ W., $4\frac{1}{2}$ miles; Hook Beacon, Sandy Hook, W. $\frac{1}{2}$ N., $7\frac{1}{2}$ miles; Sandy Hook Light, W. $\frac{1}{2}$ N., $7\frac{1}{2}$ miles; Gedney Channel Whistling Buoy, W.N.W. $\frac{1}{2}$ W., $3\frac{1}{2}$ miles. Whistle sounds thus: <table><tr><td>Blast.</td><td>Silent interval.</td><td>Blast.</td><td>Silent interval.</td></tr><tr><td>3 sec.</td><td>1 sec.</td><td>3 sec.</td><td>30 sec.</td></tr></table>	Blast.	Silent interval.	Blast.	Silent interval.	3 sec.	1 sec.	3 sec.	30 sec.
Blast.	Silent interval.	Blast.	Silent interval.											
3 sec.	1 sec.	3 sec.	30 sec.											
276	Two masts, schooner-rigged; black circular cagework day-mark at each masthead. Hull, lead-color, with the word "SCOTLAND" in large black letters on each side, and "7" in black figures on each quarter.		1874		Bell struck by hand	Moored in 58 feet of water. Sandy Hook Light-Vessel, E.N.E. $\frac{1}{2}$ E., $4\frac{1}{2}$ miles; Navesink Lights, S.W. $\frac{1}{2}$ W., $4\frac{1}{2}$ miles; Sandy Hook Light, W.N.W., $3\frac{1}{2}$ miles; Hook Beacon, Sandy Hook, N.W. by W. $\frac{1}{2}$ W., $4\frac{1}{2}$ miles; Romer Shoal Light, N.W. $\frac{1}{2}$ N., $5\frac{1}{2}$ miles; Centennial Tower, Coney Island, N. $\frac{1}{2}$ W., 8 miles.								
277	Two brown stone towers, connected by brown stone dwelling; northerly tower, octagonal; southerly tower, square.	53	1762	1862		Surrounded by thick woods.								
278		51	1762	1862										

THIRD DISTRICT.

NEW YORK AND NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nauti- cal miles.
279	Electric Buoy, G1	On port side of entrance to the channel, in 24 feet of water.	.....	Fixed white, electric.....			
280	Electric Buoy, G2	On starboard side of entrance to the channel, in 28 feet of water, about 1,100 feet south-southwesterly from the preceding.	.....	Fixed red, electric.....			
281	Electric Buoy, G3	On port side of the channel, in 26 feet of water, about 2,000 feet west-north- westerly from G1.	.....	Fixed white, electric.....			
282	Electric Buoy, G4	On starboard side of the channel, in 24 feet of water, about 2,000 feet west- northwesterly from G2.	.....	Fixed red, electric.....			
283	Electric Buoy, G5	On port side of the channel, in 29 feet of water, about 2,000 feet west-north- westerly from G3.	.....	Fixed white, electric.....			
284	Electric Buoy, G6	On starboard side of the channel, in 23 feet of water, about 2,000 feet west- northwesterly from G4.	.....	Fixed red, electric.....			
285	SANDY HOOK	Southwest side of entrance to New York Bay, near the N. end of the hook, N. J.	40 27 42 74 00 00	Fixed white	3	90	15½
286	South Beacon	On bay side of Sandy Hook, NW. by W. ¼ W. from main light, N. J.	40 27 (47) 74 00 (24)	Fixed white	6	45	11
287	Hook Beacon	On N. point of Sandy Hook, N. J.	40 28 (19) 74 00 (26)	Fixed white with a fixed red sector be- tween W. ¼ S. and SW. by W. ¼ W.	4	46	12
288	Sandy Hook Fog Bell.....	On northwesterly point of Sandy Hook, 2,340 feet W. ¾ S. from the Hook Bea- con, N. J.	.....	.....			
289	Southwest Spit Electric Buoy, No. 12.	Off W. side of Southwest Spit, starboard side of main channel, at the turning point from the Southwest Spit Range to the Conover and Chapel Hill Range.	.....	Fixed red, electric.....		10	
290	Romer Shoal	On Romer Shoal, near NE. side of Swash Channel, N. Y.	40 30 47 74 00 50	Fixed red.....	5	41	8½
291	Conover Beacon (front)....	Near the beach, S. shore of Sandy Hook Bay, N. J.	40 25 17 74 03 22	Fixed white	Range lens.	60	13½
292	Chapel Hill Beacon (rear)...	About 1½ miles S. by W. ¼ W. from the preceding.	40 23 54 74 03 23	Fixed white	Range lens.	224	21½

NOTE—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Highlands of Navesink Light Station. N.Y.
West $\frac{3}{4}$ mile



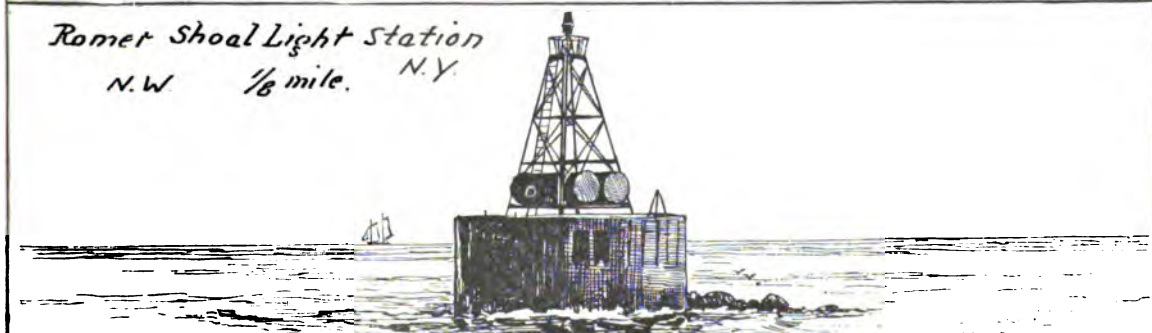
Sandy Hook Light Station. N.J.
S.W. 1 mile.



Sandy Hook Beacon Light Station. N.J.
S.E. $\frac{1}{2}$ mile.



Romer Shoal Light Station
N.W. $\frac{1}{8}$ mile. N.Y.





NEW YORK AND NEW JERSEY.

THIRD DISTRICT

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
279	Black spar buoy, with large white "G" on two sides above large white "1," surmounted by lantern.	-----	1888	-----	-----	These buoys are placed in two parallel lines, 1,100 feet apart, and are spaced about 2,000 feet apart on each line. The survey of January, 1890, indicates that the best water in the channel is between 50 and 550 feet from the red buoys, and between these lines the least depth at mean low water is 30 feet. There is 28 feet in the southern part of the channel.
280	Red spar buoy, with large white "G" on two sides above large white "2," surmounted by lantern.	-----	1888	-----	-----	
281	Black spar buoy, with large white "G" on two sides above large white "3," surmounted by lantern.	-----	1888	-----	-----	
282	Red spar buoy, with large white "G" on two sides above large white "4," surmounted by lantern.	-----	1888	-----	-----	
283	Black spar buoy, with large white "G" on two sides above large white "5," surmounted by lantern.	-----	1888	-----	-----	
284	Red spar buoy, with large white "G" on two sides above large white "6," surmounted by lantern.	-----	1888	-----	-----	Form a range for passing the Southwest Spit and connecting the Main Channel Range and the Conover and Chapel Hill Range. There is a life-saving station about 700 feet N. by W. from South Beacon.
285	White tower, with white frame dwelling detached; lantern, black.	77	1762	-----	-----	
286	White wooden tower; lantern, black.	30	1842	*1888	-----	Marks the N. point of Sandy Hook. The red sector covers the cables used for operating the electric buoys in Godney Channel. Vessels are forbidden to anchor within the red sector unless well to the eastward of Godney Channel. There is a signal-display station 1,000 feet ESE of the light-house, near the angle of the fort. Siren sounds thus:
287	Brown conical tower; lantern, black. White dwelling 50 feet to southward of tower, and white dwelling near fog signal.	42	1842	1880	1st-class automatic steam siren; blast 3 sec., silent intervals 17 sec.	
288	White, wedge-shaped skeleton structure.	-----	1892	-----	Bell struck by machinery, a triple blow every 10 seconds.	The electric submarine cable supplying the buoy runs from the buoy SE. by E. ½ E. to a cove near the northwest end of Sandy Hook, N. J., just to the northward of the docks of the U. S. Army. Masters of vessels and pilots are requested not to anchor near this line. To be well clear of the cable an anchorage should be taken to the southward of the Southwest Spit Range.
289	Red spar buoy, surmounted by lantern.	-----	1892	-----	-----	
290	Brown cylindrical iron pier, surmounted by a white skeleton tower with white lantern.	25	1886	-----	-----	To mark NE. side of Swash Channel.
291	Tower colored in horizontal belts of white, red, and white. For the purpose of distinguishing this beacon more easily during the day, at times when the ground is covered with snow, black screens, each 20 by 25 feet, are built on each side of the tower; consequently the surface of the entire front is 25 by 60 feet, and shows the tower in belts of white, red, and white, between two black surfaces.	55	1856	-----	-----	Range lights for main channel from Southwest Spit to Narrows. The distance from Southwest Spit Buoy to Conover Beacon is 3½ miles, and to Chapel Hill Beacon, nearly 5 miles. Especial attention is called to the distances of these day-marks from Southwest Spit Buoy, and to the difficulty of distinguishing them unless the day be moderately favorable.
292	White tower on dwelling. The front of the dwelling shows from the direction of the main channel of the bay a white surface of 25 by 40 feet. At each end are black screens of the same dimensions. The surface of the entire front is therefore 25 by 120 feet, and shows white between two black surfaces.	40	1856	-----	-----	

*Moved 1888.

THIRD DISTRICT.

NEW YORK AND NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.	
293	Main Chan- nel Range.	Point Comfort Beacon (front)	Near the beach, Bayside, about $\frac{1}{2}$ mile to the southward and eastward of Point Comfort, N. J.	40 26 53 74 07 18	Fixed white	Range lens.	45	12
294		Wasackaack (rear)	About $\frac{1}{2}$ mile W. by S. from the preced- ing.	40 26 38 74 08 11	Fixed white	Range lens.	76	14 $\frac{1}{2}$
295	Swash Chan- nel Range.	Old Orchard Shoal						
296		Elm Tree Beacon (front)	On SE. side of Staten Island, N. Y.	40 33 (51) 74 05 (45)	Fixed white	Range lens.	62	13 $\frac{1}{2}$
297		New Dorp Beacon (rear)	On the highland, about $1\frac{1}{2}$ miles NW. $\frac{1}{2}$ N. from preceding.	40 34 51 74 07 14	Fixed white	Range lens.	192	29 $\frac{1}{2}$
298		Princess Bay	On Staten Island, N. Y.	40 30 28 74 12 50	Flashing white every 5 sec.	4	106	16 $\frac{1}{2}$
299		Great Beds	Raritan Bay. (Soil belongs to New York, jurisdiction to State of New Jersey.)	40 29 (12) 74 15 (21)	Fixed red	4	57	11 $\frac{1}{2}$
300	RARITAN RIVER.	Western Jetty (lower end) Post-Light, No. 1.	On end of jetty, NW. side of river about 500 yards WSW. of Crow Dock, N. J.	40 30 (20) 74 18 (35)	Fixed red	Tub'lar lantern.	16	-----
301		Western Jetty (upper end) Post-Light, No. 2.	On jetty, NW. side of river, 350 yards SW. by S. of Acken Dock, N. J.	40 29 (54) 74 19 (09)	Fixed red	Tub'lar lantern.	14	-----
302		South Jetty Post-Light, No. 3	On jetty, S. side of river, 800 yards NW. by N. of Whitehead Dock, N. J.	40 29 (00) 74 20 (05)	Fixed white	Tub'lar lantern.	16	-----
303	NEW YORK BAY.	Coney Island	On Norton Point, W. end of Coney Is- land, N. Y.	40 34 (35) 74 00 (46)	Flashing red every 10 sec.	4	76 $\frac{1}{2}$	14 $\frac{1}{2}$
304		Fort Lafayette Fog-Signal Station.	Near SW. corner of sea wall of Fort Lafayette, E. side of Narrows, N. Y.	40 36 28 74 02 (19)				
305		Fort Tompkins	On Staten Island, W. side of Narrows, N. Y.	40 36 07 74 03 17	Flashing alternately red and white; inter- val between flashes, 10 sec.	4	90	15 $\frac{1}{2}$
306		Robbins Reef	Off Tompkinsville, lower part of New York Harbor. (Soil belongs to New Jersey, jurisdiction to State of New York.)	40 39 (27) 74 03 (57)	Flashing white every 6 sec.	4	58	13 $\frac{1}{2}$
307		Liberty Enlightening the World.	Inside of Fort Wood, Bedloes Island, N. Y.	40 41 21 74 02 42	Electric		305	24 $\frac{1}{2}$
308	NEWARK BAY.	Governors Island Post-Light	On parapet of Castle Williams, NW. end of Governors Island, N. Y.	40 41 (35) 74 01 (13)	Two fixed red	Tub'lar lanterns.	62 72	-----
309		Bergen Point	On reef of rocks near Bergen Point, N. J.	40 38 35 74 08 54	Fixed white	6	48	11 $\frac{1}{2}$
310		Corner Stake	Opposite Elizabethport, N. J.	40 38 (46) 74 10 (06)	Fixed red	Tub'lar lantern		-----
311		Passaic	Near mouth of Passaic River, N. J.	40 41 46 74 07 38	Fixed white	6	48	11 $\frac{1}{2}$
312		Elbow Beacon	On southern extremity of Government Dike, at mouth of Passaic River, N. J.	40 42 (16) 74 07 (20)	Fixed red	Tub'lar lantern.	15	-----

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

NEW YORK AND NEW JERSEY.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
283	White wooden tower; top of lantern, dark red.	40	1856			Range lights from Godney Channel to Southwest Spit.
284	White wooden tower; lantern, black.	68	1856			
285						<i>Building; to be lighted about April 25, 1893.</i>
286	Wooden tower, painted in bands, two white and one red; roof of lantern, red.	55	1856			
287	White wooden tower on white dwelling.	40	1856			Range lights marking the axis of the South and Swash Channels from outside the bar to Main Channel above Romer Shoal Light.
288	Brown stone tower, with dwelling attached.	38	1828	1864		
289	White conical tower, on black conical foundation; lantern, black.	42	1880			Bay light to guide to Amboy and into Raritan River.
290	Brown crane, bolted to white post.		1889			
291	White stake, bolted to white post.		1889			To guide up Raritan River, clear of the dikes.
292	White stake, bolted to white post.		1889			
293	White, square, pyramidal, skeleton iron tower; lantern, black; keeper's dwelling about 15 feet to southward and eastward; fog-bell tower, near edge of bluff to southward and westward of light-tower.	61½	1890		Bell struck by machinery every 15 sec.	Marks W. end of Coney Island.
294			1873		Bell struck by machinery, alternately a single and a double blow, intervals 20 sec.	Deep water close-to.
295	Tower on white dwelling, with Mansard roof; lantern, black.	40	1828	1873		
296	Brown conical tower; lantern, black; on whitewashed pier.	46	1839	1883	Bell struck by machinery every 15 sec.	To guide clear of the reef, on which it is built, to Hudson River and into Newark Bay, through Kill Van Kull.
297	Bronze statue on granite pedestal.		1886			The light is produced by nine electric arc lamps within the torch of the statue. There is a vertical beam of red and yellow light, seen by reflection from the haze or dust in the air; the face and bust of the statue are illuminated by a search light in the salients of the fort; the coronet is decorated with red, white, and blue incandescent electric lights, and the pedestal is illuminated by a number of arc lamps placed within the salients of the fort, and not visible from outside the fort.
298	White post, with shelf and ladder; one lantern on shelf and other on top of post. Fog-bell house, painted white.		1888	1888	Bell struck by machinery, a double blow, every 20 sec.	Lanterns, one vertically above the other.
299	Gray granite tower, in SE. angle of dwelling.	41	1849	1850	Bell struck by machinery every 15 sec.	Marks entrance to Newark Bay, through Kill Van Kull and turning-point from Kill Van Kull into Newark Bay. To be left on starboard hand going in.
300	Black cylindrical pier, surmounted by an iron frame, from which lantern is suspended.		1857			On port side of channel, on edge of flats opposite Elizabethport, N. J.
301	White wooden tower attached to white dwelling.	41	1849		Bell struck by machinery every 20 sec.	Guides clear of mud flats on W. side of channel.
302	Dolphin of five oak piles fastened together, from which lantern is suspended.	15	1854			Guide to channels entering Passaic and Hackensack Rivers, and near the turning-point for entering either river. To be left on the port hand entering either of the rivers.

THIRD DISTRICT.

NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nauti- cal miles.
313	Jeffreys Hook Post-Light....	East side of river, near Fort Washing- ton, New York City, N. Y.	40 51 (00) 73 56 (50)	Two fixed red	Tub'lar lant'ns.	(30) (20)	-----
314	Tarrytown	About $\frac{1}{2}$ mile S. of Kingsland Point Wharf, E. side of river, N. Y.	41 05 (00) 73 52 (28)	Fixed white	4	56	13
315	Stony Point	West side of river, entrance to High- lands and Peekakill Bay, N. Y.	41 14 28 73 58 20	Fixed white	5	179	12 $\frac{1}{2}$
316	Iona Island Post-Light.....	West side of river, near N. point of the island, N. Y.	41 18 (30) 73 58 (43)	Fixed white	Tub'lar lantern.	35	-----
317	Con Hook Post-Light.....	West side of river, between the upper and lower ends of Con Hook Penin- sula, N. Y.	41 21 (08) 73 57 (47)	Fixed white	Tub'lar lantern.	35	-----
318	West Point.....	On Gees Point, W. side of river, N. Y.	41 23 (45) 73 57 (04)	Fixed white	6	40	11 $\frac{1}{2}$
319	Danskammer Point.....	On Danskammer Point, W. side of river, about 3 miles N. of Newburg, N. Y.	41 34 (25) 73 57 (47)	Fixed white	Tub'lar lantern.	44	-----
320	Esopus Island Post-Light ...	On SW. side of Esopus Island, N. Y.	41 49 (30) 73 56 (52)	Two fixed red	Tub'lar lant'ns.	-----	-----
321	Esopus Meadows	Opposite Esopus, W. side of river, N. Y.	41 52 (07) 73 56 (31)	Fixed white	5	63	12 $\frac{1}{2}$
322	Rondout.....	On a mud flat, S. side of N. entrance to Rondout Creek, W. side of river, N. Y.	41 55 14 73 58 01	Fixed white	6	42	11 $\frac{1}{2}$
323	Rondout South Dike Post- Light.	On end of S. dike, mouth of Rondout Creek, N. Y.	41 55 (02) 73 57 (59)	Fixed white	Tub'lar lantern.	19	-----
324	Rondout North Dike Post- Light (end).	On end of N. dike, mouth of Rondout Creek, N. Y.	41 55 (02) 73 57 (59)	Fixed red.....	Tub'lar lantern.	21	-----
325	Rondout North Dike Post- Light (middle).	On middle or bend of N. dike, mouth of Rondout Creek, N. Y.	41 55 (02) 73 57 (59)	Fixed red	Tub'lar lantern.	21	-----
326	Saugerties South Dike Post- Light.	On end of S. dike, entrance to Sauger- ties Creek, N. Y., W. side of river.	-----	Fixed red.....	Tub'lar. lantern.	23	-----
327	Saugerties	On a mud flat, N. side of entrance to Saug- erties Creek, W. side of river, N. Y.	42 04 20 73 55 47	Fixed white	6	42	11 $\frac{1}{2}$
328	Upper Coal Beds Post-Light ..	On shoal in mid-river, about $\frac{1}{2}$ mile N. of Germantown, N. Y.	42 08 (38) 73 53 (50)	Fixed white	Tub'lar lantern.	30	-----
329	Livingston Creek Post-Light ..	East side of river, on point making out S. of entrance to Livingston Creek, N. Y.	42 10 (52) 73 57 (32)	Fixed white	Tub'lar lantern.	30	-----
330	Catskill (West Flat) Post- Light.	West side of channel, about 1,000 feet above the landing.	42 12 (50) 73 50 (57)	Fixed red.....	Tub'lar lantern.	14	-----
331	Perry Reach Post-Light	West side of river, on edge of shoal mak- ing out from Brando Point, about 2 miles below Athens, N. Y.	42 14 (41) 73 49 (38)	Fixed white	Tub'lar lantern.	30	-----
332	Hudson City	On S. end of the Middle Ground Mud Flat, W. of city of Hudson, N. Y.	42 15 02 73 47 (59)	Fixed white	6	54	11 $\frac{1}{2}$
333	West Flats Post-Light	West side of river, N. of Athens Railroad Wharf, about $\frac{1}{2}$ mile S. of Four-Mile Point Light, N. Y.	42 17 (40) 73 46 (50)	Fixed white	Tub'lar lantern.	14	-----
334	Four-Mile Point	West side of river, about halfway be- tween Athens and Coxsackie, N. Y.	42 18 22 73 47 01	Fixed white	6	93	11 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

NEW YORK.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
313	Black post		1889			Lanterns, one vertically above the other.
314	White conical tower, on red cylindrical foundation; lantern, black.	44	1883		Bell struck by machinery every 20 sec.	Guides clear of flats at Tarrytown.
315	White octagonal tower, detached from dwelling. Fog-bell tower about 200 yards to eastward of light tower.	24	1826		Bell struck by machinery every 15 sec.	Marks W. side of entrance to Highlands and Peekskill Bay.
316	Black post		1889			
317	Black post.....		1889			
318	White hexagonal tower with brown trimmings; wooden fog-signal house below and in front of tower; lower part of house, white; upper part, shingled, natural color.	20	1853	1872	Bell struck by machinery every 20 sec.	Marks bend in river, and may be approached close to. NE. panel of lens obscured.
319	White wooden tower, with skeleton top, from front of which lantern is suspended.	31	1885		Bell struck by machinery every 20 sec.	Marks Danskammer Point.
320	Red post.....		1891			Lanterns 15 feet apart vertically.
321	White tower and dwelling, on pier of rock-faced granite; mansard roof, dark-brown; lantern, black.	37	1839	1872	Bell struck by machinery every 10 sec.	Guides clear of mud flats at mouth of Esopus Creek.
322	Square granite tower, in NE. angle of dwelling of dark granite, with light granite trimmings, on round granite pier; lantern, black.	32	1838			Guides clear of mud flats at S. side of N. entrance to Rondout Creek.
323	White post.....	19	1880			Guide into Rondout Creek.
324	Red post	21	1880			Guide into Rondout Creek.
325	Red post.....	21	1880			Guide up Rondout Creek.
326	Red post.....		1891			Guide to entrance to Saugerties Creek.
327	Square drab brick tower, in SE. angle of drab dwelling; lantern black.	32	1835	1870		To guide clear of mud flats at entrance to Saugerties Creek.
328	White hexagonal structure, on red crib foundation.	20	1884	1888		Marks S. extremity of Upper Coal Beds.
329	White hexagonal structure, on red crib foundation.	20	1883	1888		Guides clear of point making out from Livingston Creek.
330	White post, on red crib foundation....	14	1884			Marks W. edge of channel.
331	White hexagonal structure, on red crib foundation.	20	1883	1888		Guides clear of Brando Point.
332	Square red tower, rising from west front of red-brick dwelling, with limestone trimmings and Mansard roof; on limestone pier.	36	1874			
333	White post, on red crib foundation....	14	1884			Marks the edge of West Flats.
334	Brown conical tower, detached from white dwelling; lantern, black.	25	1854	1880		Guides through W. or Athens Channel.

THIRD DISTRICT.

NEW YORK.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
335	Lamphere Dock (Narrow Channel).	West side of river, $\frac{1}{2}$ mile N. of Four-Mile Point Light, N. Y.	42 18 (50) 73 46 (50)	Fixed white	Tub'lar lantern.	24	-----
336	Coxsackie East Flats.....	On E. flats, E. side of river, about $\frac{1}{2}$ mile below Coxsackie Light, N. Y.	-----	Fixed white	Tub'lar lantern.	29	-----
337	Coxsackie.....	On N. end of low island N. of Coxsackie, N. Y., and W. side of main channel of river.	42 22 47 73 47 42	Fixed white	6	42	11 $\frac{1}{2}$
338	Stuyvesant.....	East side of river, N. Y.	42 24 42 73 46 42	Fixed white	6	42	11 $\frac{1}{2}$
339	Sand Spit.....	East side of river and channel, about 1 mile N. of Stuyvesant Light, $\frac{1}{2}$ mile S. of Houghtaling Island, N. Y.	42 25 (33) 73 46 (25)	Fixed white	Tub'lar lantern.	29	-----
340	New Baltimore Post-Light.....	On a small island to westward of main channel of river, N. Y.	42 27 05 73 47 02	Fixed white	Tub'lar lantern.	16	-----
341	New Baltimore Dike Post-Light.	On S. end of dike, E. side of river, N. Y.	42 27 14 73 46 (57)	Fixed white	Tub'lar lantern.	18	-----
342	Five-Hook Island Post-Light	Behind the dike, near S. end of Calver Plaet Island, E. side of river, N. Y.	42 27 50 73 46 (57)	Fixed white	Tub'lar lantern.	18	-----
343	Coeyman Bar Post-Light.....	On middle dike, W. side of channel, E. side of river, N. Y.	42 28 (21) 73 46 (57)	Fixed white	Tub'lar lantern.	25	-----
344	Roha Hook Post-Light.....	Behind the angle of dike, S. of Roha Hook, W. side of river, N. Y.	42 28 56 73 47 (20)	Fixed white	Tub'lar lantern.	17	-----
345	Schodack Channel Post-Light.	Behind the dike, W. side of Mull Plaet Island, opposite upper end of Schodack Island, E. side of river, N. Y.	42 29 56 73 46 (39)	Fixed white	Tub'lar lantern.	20	-----
346	Mull Dike (lower end) Post-Light.	West side of river and channel, about 2 miles N. of Coeyman, N. Y.	42 30 (15) 73 46 (20)	Fixed white	Tub'lar lantern.	14	-----
347	Mull Dike (upper end) Post-Light.	West side of river and channel, about 2 $\frac{1}{2}$ miles N. of Coeyman and close to S. end of Shad Island, N. Y.	42 30 (37) 73 46 (12)	Fixed white	Tub'lar lantern.	14	-----
348	Nine-Mile Tree Post-Light...	Behind the center of dike, below Castleton, E. side of river, N. Y.	42 31 08 73 45 (51)	Fixed white	Tub'lar lantern.	20	-----
349	Cow Island Post-Light.....	On S. end of Cow Island, near Castleton, E. side of river, N. Y.	42 32 16 73 45 21	Fixed white	Tub'lar lantern.	22	-----
350	Bear Island Post-Light.....	On corner of S. end of Government Dike, W. side of river, N. Y.	42 33 (25) 73 45 (03)	Fixed white	Tub'lar lantern.	20	-----
351	Staat Point Post Light.....	East side of river, about midway between Bear Island and Van Wies Point Lights.	-----	Fixed red	Tub'lar lantern.	30	-----
352	Van Wies Point.....	On S. end of stone dike, below Albany, W. side of river, N. Y.	42 35 08 73 45 (29)	Fixed white	Tub'lar lantern.	18	-----
353	Cross Over Post-Light.....	On N. end of stone dike, below Albany, W. side of river, N. Y.	42 36 52 73 45 (43)	Fixed white	Tub'lar lantern.	26	-----
354	Cnyler Dike Post-Light.....	On lower or S. end of dike, E. side of river, near Albany, N. Y.	42 37 41 73 45 (07)	Fixed white	Tub'lar lantern.	20	-----
355	Bath Dike Post-Light.....	East side of river, about 1 mile N. of Albany, opposite Lower Patroon Island.	42 40 (08) 73 43 (08)	Fixed white	Tub'lar lantern.	14	-----
356	Pleasure Island Post-Light...	On lower end of Pleasure Island, opposite Round Shoal, above Albany, W. side of channel.	42 40 (47) 73 42 (52)	Fixed white	Tub'lar lantern.	-----	-----
357	Covells Folly Post-Light.....	On lower end of Covells Folly, above Albany, E. side of channel, N. Y.	42 41 (22) 73 42 (13)	Fixed red	Tub'lar lantern.	-----	-----

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

NEW YORK.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
335	White hexagonal structure, on brick base.	12	1884			Guides through narrow channel on W. side of river.
336	White post on red pyramidal crib foundation.	22	1891			Guides clear of E. flats.
337	Square red tower with granite trimmings, in NE. angle of red dwelling on stone pier; lantern, black.	32	1829	1868		
338	Square red tower, in SW. angle of red dwelling on granite pier; lantern, black. Old dwelling near.	32	1829	1868		
339	White post, on red crib foundation	39	1891			Marks E. edge of W. channel at S. extremity of shoal making out from Houghtaling Island.
340	White post, on red crib foundation	15	1854	1871		
341	White post, on brown crib foundation.	32	1871	1888		
342	White post, on brown crib foundation.	32	1857	1888		
343	White post, on red crib foundation	32	1857	1888		
344	Red post, on red crib foundation	12	1869			
345	Red post, on crib foundation	30	1857	1888		
346	Post, on red crib foundation	14	1884			Marks lower end of Mull Dike.
347	Post, on red crib foundation	14	1884	1891		Marks upper end of Mull Dike.
348	White post, on red crib foundation	12	1869			
349	Red post, on red crib foundation	12	1854			
350	White post, on red crib foundation	32	1879	1888		
351	Black post		1889			
352	White stone beacon with crane on top.	12	1854			Marks end of dike
353	White post, on brown crib foundation.	30	1870	1888		
354	Red post, on red crib foundation	12	1869			
355	White post, on red crib foundation	39	1884	1888		
356	Black post	12	1891			
357	Red post	12	1891			

THIRD DISTRICT.

NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
277	NAVESINK (northerly light)....	On small bare plateau on easternmost spur of Highlands of Navesink, N. J.	40 23 48 73 59 10	Fixed white	1	248	22½
278	NAVESINK (southerly light)....	228 feet S. by E. ½ E. from the preceding	40 23 46 73 59 09	Fixed white	1	248	22½

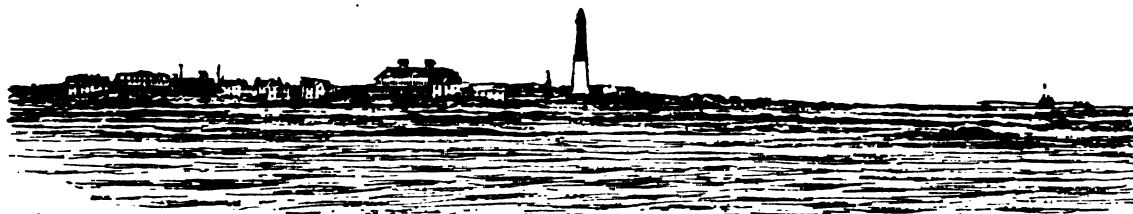
FOURTH DISTRICT.

NEW JERSEY.

358	Squan Inlet						
359	BARNEGAT	South side of Barnegat Inlet, on N. end of Long Beach, N. J.	39 45 52 74 06 24	Flashing white every 10 sec.	1	165	19
360	TUCKER BEACH	Near entrance to Little Egg Harbor, N. J.	39 30 23 74 17 08	Fixed white for 1 minute, followed by six consecutive red flashes at intervals of 10 sec.	4	52	12½
361	ABSECON	On S. side of Absecon Inlet, Atlantic City, N. J.	39 21 50 74 24 52	Fixed white	1	167	19
362	LUDLAM BEACH	On Ludlam Beach, Sea Isle City, N. J.	39 09 42 74 41 05	Flashing white every 15 sec.	4	40	11½
363	HEREFORD INLET	South side of Hereford Inlet, in a grove on N. end of Five-Mile Beach, seacoast of New Jersey.	39 00 24 74 47 28	Fixed white	4	57	13
364	Northeast End of Five-Fathom Bank Light-Vessel, No. 44.	Off the coast of New Jersey, near N.E. end of Five-Fathom Bank Shoal, N. J.	38 58 (52) 74 32 (21)	{ Fixed red	Ref'l'rs.	{ 40	{ 11½
				{ Fixed white		{ 25	{ 10 }
365	Five-Fathom Bank Light-Vessel, No. 40.	Off the entrance to Delaware Bay, about 4½ miles S. by E. ½ E. from Five-Fathom Bank, N. J.	38 48 (23) 74 36 (09)	Two fixed white	Ref'l'rs.	{ 40	{ 11½
						{ 45	{ 12 }
366	CAPE MAY	Northeast side of entrance to Delaware Bay, N. J.	38 55 59 74 57 39	Flashing white every 20 sec.	1	167	19

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Barnegat Light Station N.J.
N.N.W 1/2 mile.



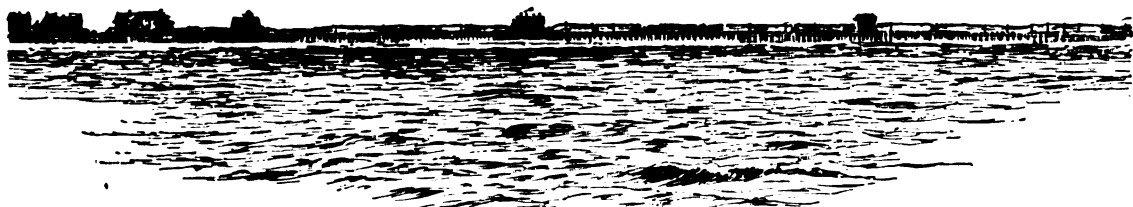
Tucker Beach Light Station N.J.
N.W by W 1/2 mile



Absecon Light Station N.J.
N.N.W. 1/2 mile.



Ludlam Beach Light Station N.J.
N.W by N. 1/2 mile



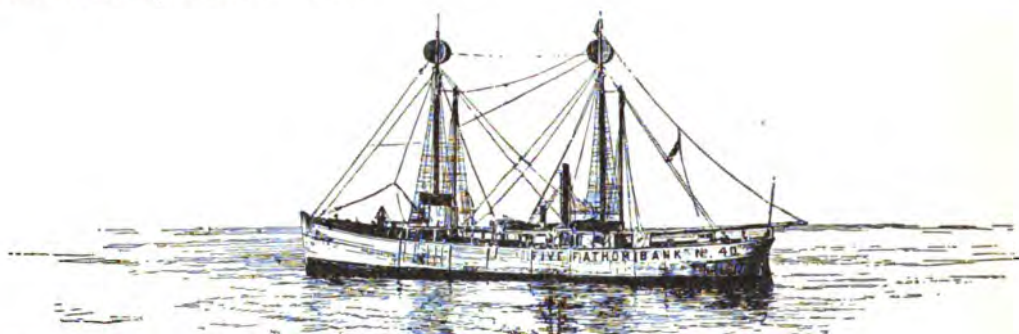




North East End Light Vessel N. J



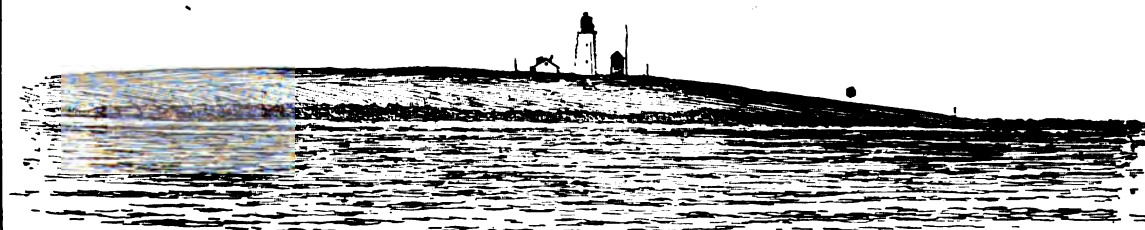
Five Fathom Bank Light Vessel N. J



Cape May Light Station N. J
N. W by W 1/2 mile.



Cape Henlopen Light Station Del
W by N 1/2 mile



N. L. Stebbins Photo

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NEW JERSEY.

THIRD DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
277	Two brown stone towers, connected by brown stone dwelling. Northernly tower, octagonal; southerly tower, square.	53	1762	1862	.....	Surrounded by thick woods.
278		53	1702	1862	.....	

NEW JERSEY.

FOURTH DISTRICT.

358					To be built.									
359	Lower half of tower, white; upper half, red; lantern, black; dwelling, white, with lead-colored trimmings and green shutters.	150	1834	1858		Thirty-eight and one-fourth miles from Navesink Lights.								
360	Tower and lantern, black; dwelling, white, with green shutters and lead-colored trimmings. Hotel near by, gray.	46	1848	1879		Eighteen miles from Barnegat Light, and 10 miles from Absecon Light.								
361	Lower third of tower, white; middle third, red; upper third, including lantern white. Two white dwellings, with lead-colored trimmings and green shutters.	159	1856			Twenty-eight miles from Barnegat Light; 37 miles from Cape May Light. There is a life-saving station here.								
362	White dwelling, with lead-colored trimmings and green shutters, surmounted by black lantern.	29½	1885			Eleven miles from Hereford Inlet Light, and 17 miles from Absecon Light. Vessels bound down the coast should keep this light in sight to clear the shoal off Townsend Inlet. When the light disappears or bears N., they should steer S. until Hereford Inlet Light comes in view, when they will be clear of the shoal. There is a life-saving station 340 feet SW. from the light-house.								
363	Tower on white dwelling, with lead-colored trimmings and chimneys; lantern, black.	49½	1874			Cape May Light distant 9 miles. Vessels bound up the coast should keep this light in sight until they make Ludlam Beach Light, when they will be clear of the shoal off Townsend Inlet. There is a life-saving station about 300 feet N. of the light-house.								
364	Two masts, schooner-rigged; black hoop-iron day-mark at foremast-head, surmounted by black ball. Hull painted red, with the words "NORTHAMPTON" on each side, and "44" on stern, in large black letters and figures.		1882		12-inch steam whistle; blasts 4 sec., alternate silent intervals of 5 and 107 sec. If whistle be disabled a bell will be rung by hand.	Red light at foremast-head, white light on main-mast, about half-mast high. Hereford Inlet Light, WNW, ½ W., 12 miles; Five Fathom Bank Light-Vessel, SSW, ¾ W., 9½ miles. Vessels of deep draft should pass to the seaward of this light-vessel. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>4 sec.</td><td>5 sec.</td><td>4 sec.</td><td>107 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	4 sec.	5 sec.	4 sec.	107 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
4 sec.	5 sec.	4 sec.	107 sec.											
365	Two masts, schooner-rigged; red hoop-iron day-mark at each mast-head. Hull, straw-color, with the words "FIVE-FATHOM BANK" in large black letters on each side, and "No. 40" on each quarter, in black figures.		1839	1875	12-inch steam whistle; blasts 4 sec., silent intervals 56 sec. If whistle be disabled a bell will be rung by hand.	Twenty-one-foot Shoal Buoy, Red, No. 2, NW, ¼ N., 2½ miles; Cape May Light, NW, by W, ¾ W., 18½ miles; Cape Henlopen Light, W, ½ N., 22½ miles. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>4 sec.</td><td>56 sec.</td><td>4 sec.</td><td>56 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	4 sec.	56 sec.	4 sec.	56 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
4 sec.	56 sec.	4 sec.	56 sec.											
366	Tower, gray; lantern, red; two white dwellings, with lead-colored trimmings and green shutters.	159	1823	1850		Eleven miles from Cape Henlopen Light, and 18½ miles from Five-Fathom Bank Light-Vessel. There is a life-saving station about 260 yards SE. from the light tower.								

FOURTH DISTRICT.

DELAWARE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nauti- cal miles.
367	CAPE HENLOPEN.....	Southwest side of entrance to Delaware Bay, Del.	38 46 42 75 05 03	Fixed white, with a fixed red sector between S. $\frac{1}{2}$ E. and SE. $\frac{1}{2}$ E.	1	128	17 $\frac{1}{2}$
368	Delaware Breakwater (east end).	On E. end of breakwater, S. side of entrance to Delaware Bay, Del.	38 47 (50) 75 06 (02)	Fixed red from W. $\frac{1}{2}$ S. around by the southward to ESE. $\frac{1}{2}$ E.; fixed white throughout the remaining sector.	4	65	13 $\frac{1}{2}$
369	Delaware Breakwater (front).	On W. end of breakwater, S. side of entrance to Delaware Bay, Del.	38 47 57 75 06 29	Fixed white, 2 $\frac{1}{2}$ sec., eclipse 2 $\frac{1}{2}$ sec.	4	47	12 $\frac{1}{2}$
370	Delaware Breakwater (rear).	About 2 miles NW. from Lewes, Del., and 2 $\frac{1}{2}$ miles W. $\frac{1}{2}$ S. in rear of the preceding.	38 47 23 75 10 10	Fixed white, with a dark sector.	3	108	16 $\frac{1}{2}$
371	Mispillion Creek	At mouth of Mispillion Creek, Del	38 56 52 75 18 56	Fixed white, with narrow red sector.	6	48	11 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

DELAWARE.

FOURTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
367	White tower and dwelling, standing in depression in the top of a high sand hill; lantern and watchroom, black.	82	1764			About 22½ miles from Five-Fathom Bank Light-Vessel. This light shows red within an angle of about 45 degrees, formed by a line extending from the light to Brandywine Shoal Light (passing outside The Shears and Brown Shoal) and a line extending from the light and just clearing the north-west end of the ice-breaker part of Delaware Breakwater. When the light shows white, vessels between Brandywine Shoal and Cape Henlopen are clear of all shoals to the westward, including and below Brown Shoal; when it changes from faint red to bright red it is dangerous to pass farther to the westward until reaching the point above Brown Shoal where a change of course is made to go up the bay. Vessels seeking harbor above or behind the breakwater, and wishing to enter at the northern end, will be clear of the ice-breaker as soon as the light changes to white. There is a signal-display station about 110 yards WNW. ¾ W. from the light-tower.								
368	Brown conical tower, surmounted by black lantern.	51	1885		2d-class Daboll trumpet; blasts 12 sec., silent intervals 50 sec.	To vessels coming from the southward this light shows red clear of the sand hills to the northward of Cape Henlopen Light. Care should be taken not to approach the latter light too closely, in order to avoid the Hen and Chickens Shoal. Delaware Breakwater Front Light (fixed white, 2½ sec., eclipse 2½ sec.) in range with this light (fixed red), marks a line clear of the northern end of the Hen and Chickens Shoal. When this light is in range with the Delaware Breakwater Rear Light, or when it changes from a red to a white light, or bears W. ¼ S., it marks a line passing about 150 yards clear of the point of the cape, and vessels should approach no nearer the cape than this line. When in range with Cape Henlopen Light, this light marks the line of shoals making down from The Shears. Delaware Breakwater Front Light, in range with Cape Henlopen Light, marks a line inside the shoals. A change in this light from white to red (when it bears ESE. ¼ E.) marks the inside limit of the outer harbor. This light showing red and Cape Henlopen Light showing white, guide clear of the western end of the ice-breaker into the Breakwater Harbor. Trumpet sounds thus: <table><tr><th>Blast.</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>12 sec.</td><td>50 sec.</td><td>12 sec.</td><td>50 sec.</td></tr></table>	Blast.	Silent interval,	Blast,	Silent interval,	12 sec.	50 sec.	12 sec.	50 sec.
Blast.	Silent interval,	Blast,	Silent interval,											
12 sec.	50 sec.	12 sec.	50 sec.											
369	Light on white dwelling; lantern black.	43	1849			With the next, forms a range for entering Delaware Bay. Vessels entering must not pass to the N. of the range line until Cape May Light bears NNE.								
370	Brown skeleton tower; white dwelling near by with lead-colored trimmings and green shutters.	100	1881			This light is visible along the Delaware shore, from the northward, between the bearings SE. ¼ S. and S. by E. ¼ E., and from the southward, to a line bearing WSW. ¼ W. Between WSW. ¼ W., and S. by E. ¼ E. (the angle covering The Shears), the light is not visible. Vessels coming down the bay on the eastern edge of the red sector of Cape Henlopen Light, and bound for the breakwater, will be clear of the lower end of The Shears when the rear light of Breakwater Range becomes visible on the bearing WSW. ¼ W. Cape May Light, NE. ¼ E., 13 miles.								
371	White tower, connected with white dwelling with lead-colored trimmings and green shutters; lantern, black.	45	1873			Fifteen miles NW. of Cape Henlopen Light. The red sector marks the line of turning into Mispillion Creek; the light upon this line bearing N. ¼ W. The red sector does not affect the color of the light seaward.								

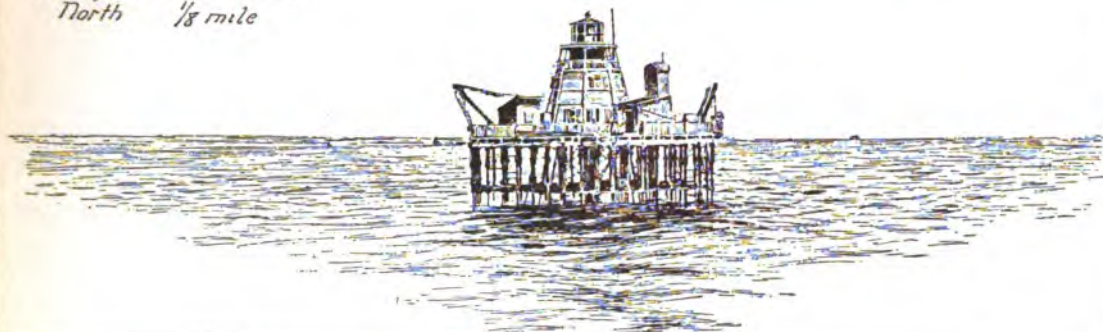
FOURTH DISTRICT.

NEW JERSEY AND DELAWARE.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
372	Brandywine Shoal	On Brandywine Shoal, $\frac{1}{2}$ mile from lower end, E. side of channel, Del.	38 59 10 75 08 48	Fixed white 27 sec., eclipse 3 sec., from N. by W. $\frac{1}{4}$ W. through W. to SSE. $\frac{1}{4}$ E.; fixed red 27 sec., eclipse 3 sec., throughout the re- maining sector.	3	46	12
373	Fourteen-Foot Bank	On Fourteen-Foot Bank, W. side of channel, Del.	39 02 (55) 75 10 (56)	Fixed white alter- nately 14 sec. and 40 sec., eclipses 3 sec., from NNW. through E. to SSE. $\frac{1}{4}$ E.; fixed red alter- nately 14 sec. and 40 sec., eclipses 3 sec., throughout the remaining sector.	4	44	12
374	Maurice River	Near mouth of Maurice River, N. J.	39 11 45 75 01 40	Fixed red	6	48	7 $\frac{1}{2}$
375	Egg Island	On Egg Island, N. J.	39 10 44 75 08 13	Fixed white	5	50	12 $\frac{1}{2}$
376	Cross Ledge	On lower end of Cross Ledge Shoal, E. side of channel, N. J.	39 09 47 75 14 13	Fixed white 17 sec., eclipse 3 sec., from NNW. through W. to SE. by S.; fixed red 17 sec., eclipse 3 sec., throughout the remaining sector.	4	58	13
377	Mahon River	At mouth of Mahon River, Del.	39 10 40 75 23 59	Fixed white with a fixed red sector be- tween W. $\frac{1}{4}$ N. and W. by S.	4	57	13

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

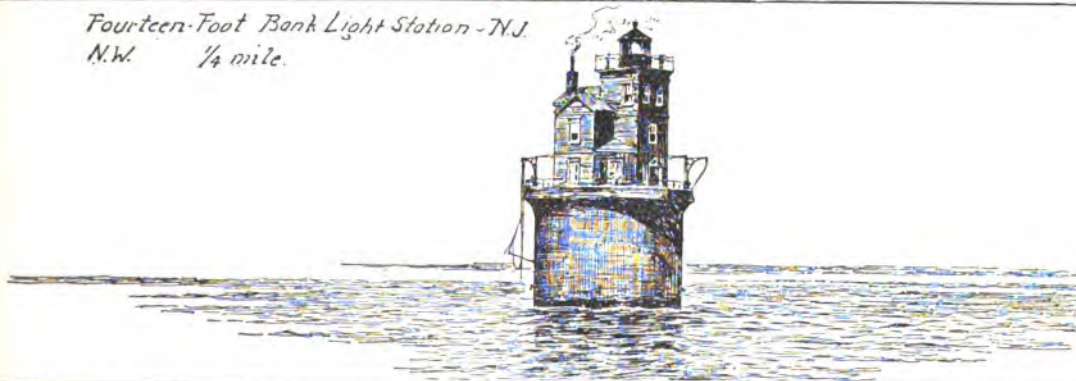
Brandywine Shoal Del.
North $\frac{1}{8}$ mile



Cross Ledge Light Station N.J.
N.E. $\frac{1}{4}$ mile



Fourteen-Foot Bank Light Station - N.J.
N.W. $\frac{1}{4}$ mile.



Ship John Shoal Light Station, N.J.
N.N.E. $\frac{1}{4}$ mile





NEW JERSEY AND DELAWARE.

FOURTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.												
32	Red screw-pile structure and screw-pile ice-breaker; shutters, green.		1850		Bell struck by machinery, a double blow every 30 sec.	Vessels bound up Delaware Bay are clear of all dangers on E. side of channel so long as Brandywine Shoal light shows <i>white</i> until within 1 mile of this light, but should approach no nearer Brandywine Shoal. When clear of Brown Shoal, vessels should run for the light on Fourteen-Foot Bank until about $\frac{1}{2}$ mile to the eastward and abreast of it, then run toward Cross Ledge Light, keeping both Brandywine Shoal and Cross Ledge Lights <i>white</i> until abreast of Cross Ledge; thence keep Ship John Shoal a <i>white</i> light until within 3 miles of this light, at which point both Ship John Shoal and Cross Ledge Lights should show <i>white</i> ; thence pass Ship John Shoal keeping the Cross Ledge Light <i>white</i> ; thence run for the Port Penn Range, keeping Ship John Shoal <i>white</i> . In coming down the bay keep the Port Penn Lights in range and Ship John Shoal Light <i>white</i> until within 3 miles of this light; then keep Cross Ledge Light <i>white</i> until 3 miles below Ship John Shoal, at which point both Ship John Shoal and Cross Ledge Lights should show <i>white</i> ; then keep Ship John Shoal Light <i>white</i> until abreast of Cross Ledge; then steer for Fourteen-Foot Bank Light, passing it about $\frac{1}{2}$ mile to the eastward, keeping Brandywine Shoal and Cross Ledge Lights both <i>white</i> until 1 mile below Brandywine Shoal; then run in the <i>white</i> light of Cape Henlopen and Brandywine Shoal.												
33	Cylindrical foundation, expanding in trumpet shape under main gallery, surmounted by a two-story dwelling with gable roof; tower, surmounted by lantern, rises from E. side of dwelling. Entire structure painted brown.	.. .	1886		2d-class Daboll trumpet; blasts 5 sec., silent intervals 25 sec.	The red sector covers Brown Shoal to the southward and Joe Flogger Shoal to the northward of this light. Vessels bound up the bay running in the white light of Cape Henlopen, and making Fourteen-Foot Bank Light showing white, being clear of Brown Shoal on the W. side of the channel, can then steer for the light, keeping it white, until nearly up with it, passing about $\frac{1}{2}$ mile to the eastward. After passing keep the lights showing white, but occasionally sheering over to the westward to touch the edge of the red sector so as to assure not getting too far to the eastward. When Cross Ledge Light is passed, and the red sector in Mahon River Light is run through, the white light appearing, vessels may sheer over to the eastward, touching the edge of the red sector in either Ship John Shoal Light or Cross Ledge Light. Vessels will be in safety from shoals on the E. side of channel as long as either of these lights shows white below Ship John Shoal. Trumpet sounds thus: <table><tr><td>Blast,</td><td>Silent</td><td>Blast,</td><td>Silent</td></tr><tr><td>5 sec.</td><td>interval,</td><td>5 sec.</td><td>interval,</td></tr><tr><td></td><td>25 sec.</td><td></td><td>25 sec.</td></tr></table>	Blast,	Silent	Blast,	Silent	5 sec.	interval,	5 sec.	interval,		25 sec.		25 sec.
Blast,	Silent	Blast,	Silent															
5 sec.	interval,	5 sec.	interval,															
	25 sec.		25 sec.															
34	Black lantern on white dwelling.....	39	1849															
35	Black lantern on white dwelling; brick pier foundation.	45	1837	1878														
36	Black lantern on white dwelling, with lead-colored trimmings, green shutters, and Mansard roof, on granite pier.	36	1875		Bell struck by machinery every 10 sec.													
37	White tower; white dwelling, with lead-colored trimmings and green shutters, attached; lantern, black.	51	1831	1875		The southern edge of the red sector marks about 250 yards above the Elbow of the Ledge Buoy (red, No. 14), and the northern edge marks the Buoy of the Middle (black and white perpendicular stripes).												

FOURTH DISTRICT.

NEW JERSEY AND DELAWARE.

Number.	Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
378	Ship John Shoal.....	On Ship John Shoal, E. side of channel, N. J.	39 18 19 75 22 37	Fixed white 57 sec., eclipse 3 sec., from NNW. $\frac{1}{2}$ W. through W. to SE. $\frac{1}{2}$ S.; fixed red 57 sec., eclipse 3 sec., throughout the remaining sector.	4	53	12 $\frac{1}{2}$
379	Cohansey.....	Near mouth of Cohansey Creek, N. J.	39 20 22 75 21 37	Fixed white with a fixed red sector be- tween NW. by N. and W. $\frac{1}{2}$ S.	5	45	12
380	Bombay Hook.....	Near mouth of Duck Creek, Del., $\frac{1}{4}$ miles above Bombay Hook Point, Del.	39 21 49 75 20 38	Fixed white.....	4	46	12
381	Port Penn (front).....	Near Delaware shore of river, about $\frac{1}{2}$ miles below Port Penn, Del.	39 29 32 75 35 22	Fixed white.....	Range lens.	40	.....
382	Port Penn (rear).....	About $\frac{1}{2}$ miles NW. by N. in rear of the preceding.	39 30 41 75 36 34	Fixed white.....	Range lens.	140	.....
383	Reedy Island.....	On lower end of Reedy Island, W. side of river, Del.	39 30 03 75 34 09	Fixed white from SSE. through northward and eastward to N. by E. $\frac{1}{2}$ E., except in the narrow sector between N. by W. and N. $\frac{1}{2}$ E., in which the light shows red. From N. by E. $\frac{1}{2}$ E. to ENE. the light shows red.	4	36	11 $\frac{1}{2}$
384	Finns Point (front).....	Near the shore on New Jersey side of river, about $\frac{1}{2}$ mile below Finns Point, N. J.	39 35 39 75 32 18	Fixed white.....	Range lens.	30	.....
385	Finns Point (rear).....	About $\frac{1}{2}$ miles N. by E. $\frac{1}{2}$ E. in rear of the preceding, N. J.	39 37 02 75 32 03	Fixed white, with red cut.	Range lens.	105	.....
386	New Castle (front).....	Near the shore on Delaware side of river, about $\frac{1}{2}$ miles below New Cas- tle, Del.	39 38 33 75 35 44	Fixed white.....	Range lens.	20	.....
387	New Castle (rear).....	About $\frac{1}{2}$ mile N. by W. $\frac{1}{2}$ W. in rear of the preceding, Del.	39 38 54 75 35 58	Fixed white.....	Range lens.	90	.....
388	Deep Water Point (front).	On New Jersey side of river, about $\frac{1}{2}$ mile below Deep Water Point, N. J., at the mouth of Salem Canal.	39 41 12 75 30 34	Fixed white.....	Range lens.	25	.....
389	Deep Water Point (rear).	About $\frac{1}{2}$ miles NE. $\frac{1}{2}$ E. in rear of the preceding, N. J.	39 41 59 75 29 38	Fixed white.....	Range lens.	98	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

NEW JERSEY AND DELAWARE.

FOURTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
378	Black lantern surmounting brown octagonal dwelling, one story, with high Mansard roof, on brown cylindrical foundation.	.....	1874	.....	Bell struck by machinery, a triple blow every 45 sec.	Stands in about 8 feet of water at low tide.
379	White frame dwelling on iron piles; lantern, black.	35	1838	1883	.....	From points in Cohansey Creek lying between W. $\frac{1}{2}$ S. and SSE. $\frac{1}{2}$ E. the light shows dimly.
380	White dwelling, with lead-colored trimmings and green shutters; lantern, black.	36	1831	.....	.....	.....
381	White dwelling, with lead-colored trimmings and green shutters, surmounted by tower.	34	1877	.....	.....	This range, in connection with the Finns Point Range, marks channel from below Bombay Hook to Reedy Point, where the New Castle Range is reached.
382	Brown tower showing above trees; white dwelling with lead-colored trimmings and green shutters near by, but not visible in the range.	120	1877	.....	.....	
383	Drab dwelling, surmounted by tower; lantern, black. Old white tower, detached from dwelling, remains as day-mark. Fog-signal house on bank, about 40 feet S. of old tower.	31	1839	1879	Bell struck by machinery every 15 sec.	Bound down the bay on the Finns Point Range, or up the bay on the Port Penn Range, the change of this light from white to red will indicate that the turning point has been reached. The narrow white sector covers the dike making out to the southward from Reedy Island.
384	Red tower, with square day-mark on top, showing white horizontal bars; dwelling attached, white.	26	1877	.....	.....	This range, in connection with Port Penn Range, marks channel from below Bombay Hook to Reedy Point, where New Castle Range is reached. Baker Shoal is not more than 200 yards to eastward of this range. The red light in rear tower marks Bulkhead Shoal, and will assist in judging of the proper point at which to commence the turn at this locality. Vessels running on these ranges, when nearing the buoys next above or below the turning buoy, will see a faint reddish light; when abreast of either of these buoys the light will appear a bright red. The red light indicates the points at which the turn should commence.
385	Brown tower showing above trees....	95	1877	.....	.....	.....
386	White tower, 30 feet to westward of white dwelling, with lead-colored trimmings and green shutters.	11	1876	.....	.....	This range, in connection with Deep Water Point Range, marks channel from below Pea Patch Island nearly to Deep Water Point. The point of intersection is on the W. side of the channel, in about 18 feet of water, and vessels drawing that depth must be careful to pass, from one range to the other, to the eastward of the point of intersection, where there is ample room and a good channel. The detached tower on with the rear light marks the range line.
387	White tower, attached to white dwelling with lead-colored trimmings, green shutters, and red roof.	50	1876	.....	.....	.....
388	Red tower and lantern, with square day-mark on top, showing white horizontal bars; white dwelling, with lead-colored trimmings and green shutters, attached. Roof of dwelling facing down river painted red.	17	1876	.....	.....	This range, in connection with New Castle Range, marks channel from below Pea Patch Island nearly to Deep Water Point. The point of intersection is on the W. side of the channel, in about 18 feet of water, and vessels drawing that depth must be careful to pass, from one range to the other, to the eastward of the point of intersection, where there is ample room and a good channel.
389	Brown tower, with dwelling near, but not visible in the range.	95	1876	.....	.....	

FOURTH DISTRICT. DELAWARE, PENNSYLVANIA, AND NEW JERSEY.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
390	Christiana Beacon	On pier at end of jetty, mouth of Chris- tiana Creek, Del.	39 43 (09) 75 31 (01)	Fixed red.....	4	47	11½
391	Christiana	At mouth of Christiana Creek, Wil- mington, Del.	39 43 18 75 31 15	Fixed white	4	48	12½
392	Cherry Island (front) ..	On a pier near low-water line, about ¼ mile above Edgemoor Iron Works, Del.	39 45 03 75 29 41	Fixed white	5	34	.....
393	Cherry Island (rear) ...	Nearly ½ mile NNE. ¼ E. in rear of the preceding.	39 45 43 75 29 24	Fixed white	Ref'r.	120	.....
394	Schooner Ledge (front) ..	About 1 mile below Lazaretto, near mouth of Crum Creek, Pa.	39 51 (28) 75 19 (27)	Fixed white	Ref'r.	37	.....
395	Schooner Ledge (rear) ...	In Derby Creek Valley, Pa., about 1½ miles in rear of the preceding.	39 52 (14) 75 18 (03)	Fixed white	Ref'r.	100	.....
396	Billingsport (front for both).	On river bank on New Jersey side of river, about ½ mile below Billingsport, N. J.	39 50 51 75 15 11	Fixed white	5	37	.....
397	Tinicum Island (rear) ..	Nearly ½ mile E. ½ S. in rear of the pre- ceding, toward Billingsport, N. J.	39 50 51 75 14 24	Fixed red.....	5	109	8½
398	Fort Mifflin Bar Cut (rear).	About ½ mile SW. by W. ½ W. in rear of Billingsport (front) Light, N. J.	39 50 35 75 15 40	Fixed red.....	5	70	8½
399	Fort Mifflin Fog Signal Sta- tion.	On dock at Fort Mifflin, W. side of river, Pa.	.....	.....	.....	.....	.....
400	Lower, front (white) ..	On river bank of Fort Mifflin Reserva- tion, Pa., above fort, W. side of mouth of the Schuylkill River.	.....	Fixed white	Ref'r.	.....	.....
401	Lower (rear)	On Fort Mifflin Reservation, Pa., about ½ mile W. by N. in rear of the preced- ing.	.....	Fixed white	Ref'r.	.....	.....
402	Lower front (red)	On river bank of Fort Mifflin Reserva- tion, Pa., about 220 feet northeasterly from the white front light.	.....	Fixed red.....	Ref'r.	.....	.....
403	Upper, front (red)	On bank of river in Howell Cove, about 1½ miles below Gloucester, N. J.	.....	Fixed red.....	Ref'r.	.....	.....
404	Upper (rear)	About 800 feet S. ½ E., in rear of the pre- ceding.	.....	Fixed white	5	.....	.....
405	Upper, front (white) ..	On bank of river in Howell Cove, N. J., about 500 feet ENE. ¼ E. from red front light and about 850 feet NNE. ¾ E. in front of rear light.	.....	Fixed white	Ref'r.	.....	.....

NOTE. — All bearings are MAGNETIC, and in case of visibility of lights given from HAWARD.

DELAWARE, PENNSYLVANIA, AND NEW JERSEY. FOURTH DISTRICT.

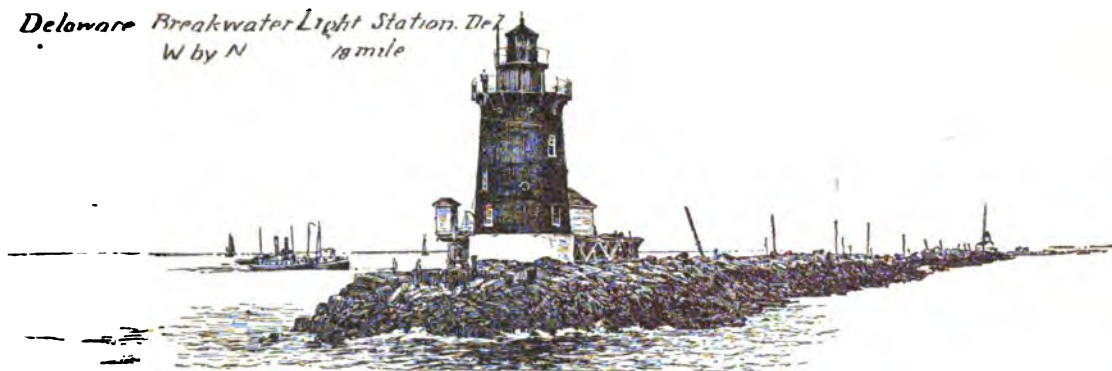
Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
300	Pyramidal wooden skeleton tower, painted red. Red paling fence around top of pier.	54	1884			
301	Black lantern, on white dwelling with lead-colored trimmings and green shutters; roof, slate-color.	41	1835			
302	White tower; lantern and roof, red; on pier near low-water line. White dwelling near, with lead-colored trimmings and green shutters.	21	1880		Bell struck by machinery every 15 seconds.	Lights, to mark channel dredged across Cherry Island Flats. The range intersects the Deep Water Point Range in deep water, and vessels can pass directly from one to the other. The channel has a depth of 24 feet, and is now being widened.
303	Tower and attached dwelling white, with lead-colored trimmings and green shutters; lantern, railing, and roof, black.	39½	1880			
304	Square red tower on white dwelling, resting on iron piers. Gable end of dwelling showing down river painted white; lantern, red; white day-mark on each side, extending up as high as the lantern.	28	1880			The range intersects the continuation of line joining the front light of the Cherry Island Flats Range and Christiana Light, in deep water, and is available from that point to its intersection with Tinicum Island Range. Vessels must be careful not to pass beyond these intersections. The range will carry through the best water over Schooner Ledge, passing to eastward of Illinois Rock, and must be held very closely.
305	Brown tower, showing well above trees.	99	1880			
306	Detached square, white, open framework tower, lantern, black; white dwelling with lead-colored trimmings and green shutters, distant about 50 feet.	17	1880	1887		Serves as front light for Tinicum Island and Fort Mifflin Bar Cut ranges.
307	Brown tower; showing above trees. Black staff, surmounted by black disk, with horizontal open spaces, on top of tower.	80	1880			This range intersects Schooner Ledge Range in deep water, and vessels can pass directly from one to the other, taking care not to pass beyond the intersection. The range can be held, coming upstream, until the rear light of the Fort Mifflin Bar Cut Range is visible, when the course must be changed two points to port.
308	Detached pyramidal white tower in front of dwelling. Lantern and watchroom, black; dwelling, white with lead-colored trimmings and green shutters.	56	1880			This range can be held by vessels going down until the rear light of Tinicum Island Range is visible, when the course must be changed one and one-half points to starboard. Going up, the range can be held to its intersection with Schuylkill River Range.
309	Open-frame bell tower.....				Bell struck by machinery every 15 sec.	
400	Small square white structure.....	6½	1881			Range lights for passing through Horseshoe Bend Delaware River. The lights are in two groups, each group consisting of three lights—a rear light, fixed white, and two front lights, one fixed white and the other fixed red.
401	Square white tower, near white dwelling with lead-colored trimmings and green shutters.	41	1881			
402	Small square red structure.....	6½	1881			The rear light of the first or west group, with its white front light, forms a range to mark the channel passing League Island. Vessels running upstream pass directly from the Fort Mifflin Bar Cut Range to this range and hold it to the lower turning point, which is where the lower or red front light of the east (Howell Cove) group is in line with the rear structure of that group. At this point a change of three points must be made to port.
403	Small square red structure.....	6½	1881			The rear light of the second or east group, with its appropriate white or upper front light, forms a range marking the channel from opposite Greenwich Point to the upper turning point, which is where the upper or red front light on Fort Mifflin (west group) comes in range with its appropriate rear light. At this intersection vessels going downstream change their course three points to starboard. The distance between these turning points is about ¼ mile, which is unmarked.
404	Square white tower; dwelling near, painted white with lead-colored trimmings and green shutters.	41	1881			
405	Small square white structure.....	6½	1881			

FOURTH DISTRICT. PENNSYLVANIA, NEW JERSEY, DELAWARE, AND MARYLAND.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above sea level, in feet.	Distance visible, in nau- tical miles.
406	Schuylkill River Range. { Schuylkill (front)	On mud flats outside of bank around League Island, E. side of mouth of river, Pa.	39 53 20 75 11 38	Fixed white	Lens lantern	17	
407			39 53 27 75 11 35	Fixed white	6	33	11
408	DELAWARE RIVER. Range. { Fishers Point (front) Post- Light. Fishers Point (rear) Post- Light. Riverton Post-Light	{ On Fishers Point, N. J.		Fixed white	Tub'lar lantern		
409				Fixed white	Tub'lar lantern		
410		On Club House, Riverton, N. J.		Fixed white	Tub'lar lantern		
411		On wharf building, Torresdale, Pa.		Fixed white	Tub'lar lantern		
412		About 1 mile above Florence, N. J.		Fixed white	Tub'lar lantern		
413		Below Penn Manor Wharf, Pa.		Fixed white	Tub'lar lantern		
414	Bordentown Post-Light	About $\frac{1}{2}$ mile below Bordentown, N. J.		Fixed white	Tub'lar lantern		
366	CAPE MAY	Northeast side of entrance to Delaware Bay, N. J.	38 55 59 74 57 39	Flashing white every 30 sec.	1	167	19
367	CAPE HENLOPEN	Southwest side of entrance to Delaware Bay, Del.	38 46 42 75 05 03	Fixed white, with a fixed red sector be- tween S. $\frac{1}{2}$ E. and SE. $\frac{1}{2}$ E.	1	128	17 $\frac{1}{2}$
415	Fenwick Island Shoal Light-Vessel, No. 52.	About 4 miles ESE. $\frac{1}{2}$ E. from Fenwick Island Shoal, off the coast of Mary- land; and about $5\frac{1}{4}$ miles NE. $\frac{1}{2}$ E. of Isle of Wight Shoal.	38 26 (47) 74 50 (44)	Two fixed red	Ref'r's.	20 (37 $\frac{1}{2}$)	9 $\frac{1}{2}$ (11 $\frac{1}{2}$)
416	FENWICK ISLAND	On the coast, 20 miles S. of Cape Hen- lopen Light, Del., close to boundary line between Delaware and Maryland.	38 27 (04) 75 03 (18)	Fixed white, varied by a white flash every 2 minutes.	3	86	15

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

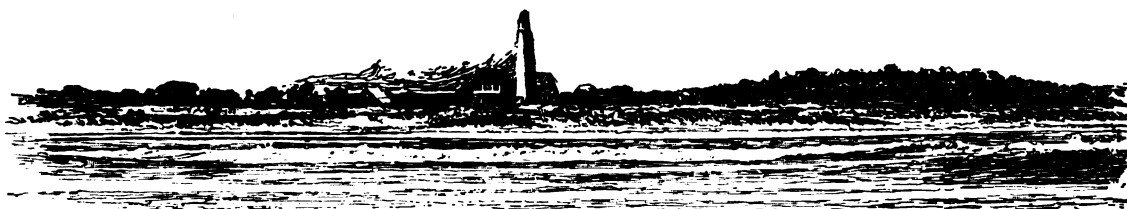
Delaware Breakwater Light Station. Del
W by N 19 mile



Fenwick Island School Light Vessel Del



Fenwick Island Light Station Del
W by S 1/2 mile



Assateague Light Station Va
N.W 1/2 W 1/4 miles





PENNSYLVANIA, NEW JERSEY, DELAWARE, AND MARYLAND. FOURTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
406	Small white structure, with black top, on square pier, connected with the bank by plank walk laid on piles.	10	1875			This range guides from channel of Delaware River through dredged channel into mouth of Schuylkill River.								
407	Square white tower with black lantern, on square pier, connected with bank by plank walk laid on piles. White dwelling, with lead-colored trimmings and green shutters, close to bank between the beacons.	25	1875											
408	White post	12	1887			Mark range line from the channel on the Pennsylvania side to the channel on the New Jersey side of the river.								
409	White post	25	1887											
410	White post	40	1887			The line joining Torresdale and Riverton lights guides clear of the rocks called Hen and Chickens.								
411	White post	18	1887											
412	White post	12	1887			The line joining Penn Manor and Kinkora lights leads through the dredged channel abreast of Newbold Island and the dike.								
413	White post	18	1887											
414	White post	12	1887			Marks channel of river leading to entrance to Delaware and Raritan Canal.								
306	Tower, gray; lantern, red; two white dwellings, with lead-colored trimmings and green shutters.	150	1823	1859		Eleven miles from Cape Henlopen Light, and 18½ miles from Five-Fathom Bank Light-Vessel. There is a life-saving station about 260 yards SE. from the light-house.								
367	White tower and dwelling, standing in depression in the top of a high sand hill; lantern and watchroom, black.	82	1764			About 22½ miles from Five-Fathom Bank Light-Vessel. This light shows red within an angle of about 45 degrees, formed by a line extending from the light to Brandywine Shoal Light (passing outside The Shears and Brown Shoal) and a line extending from the light and just clearing the northwest end of the ice-breaker part of Delaware Breakwater. When the light shows white, vessels between Brandywine Shoal and Cape Henlopen are clear of all shoals to the westward, including and below Brown Shoal; when it changes from faint red to bright red, it is dangerous to pass farther to the westward until reaching the point above Brown Shoal where a change of course is made to go up the bay. Vessels seeking harbor above or behind the breakwater and wishing to enter at the northern end, will be clear of the ice-breaker as soon as the light changes to white. There is a signal-display station about 110 yards WNW. ½ W. from the light tower.								
415	Two masts, schooner-rigged, no bowsprit. Mastheads black with black circular iron cagework day-mark at foremast head. Hull red, with a broad white band covering the bulwarks, on which "FENWICK ISLAND SHOAL" is painted in large black letters and "NO. 52" on each bow. Black smokestack and fog signal between the masts.		1888	1862	12-inch steam whistle; blasts 10 sec., alternate silent intervals of 30 and 70 sec. If whistle be disabled a bell will be rung by hand.	Moored in about 10 fathoms of water. One light shown from foremast, about half-mast high, and the other from mainmast. Cape Henlopen Light, NNW. ¼ W., 22½ miles Fenwick Island Light, W. ¼ N., 9½ miles. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>10 sec.</td><td>30 sec.</td><td>10 sec.</td><td>70 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	10 sec.	30 sec.	10 sec.	70 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
10 sec.	30 sec.	10 sec.	70 sec.											
416	Tower and two frame dwellings, white.	82	1858											

FOURTH DISTRICT.

VIRGINIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
417	Winter-Quarter Shoal Light-Vessel, No. 45.	Two miles SE. by E. $\frac{1}{2}$ E. from Winter-Quarter Shoal, and $\frac{3}{4}$ miles from the coast, Va.	37 57 (03) 75 05 (29)	Fixed red	Ref'r.	45	12
418	ASSATEAGUE	About 2 miles from SW. point of Assateague Island, Va.	37 54 (40) 75 21 (23)	Fixed white	1	150	18 $\frac{1}{2}$
419	Killick Shoal	In Chincoteague Bay, at its southern entrance, Va.	37 56 (45) 75 23 (43)	Fixed white from N. $\frac{1}{2}$ W. through westward to SSE. $\frac{1}{2}$ E.; fixed red throughout the remaining sector.	4	48 $\frac{1}{2}$	12 $\frac{1}{2}$

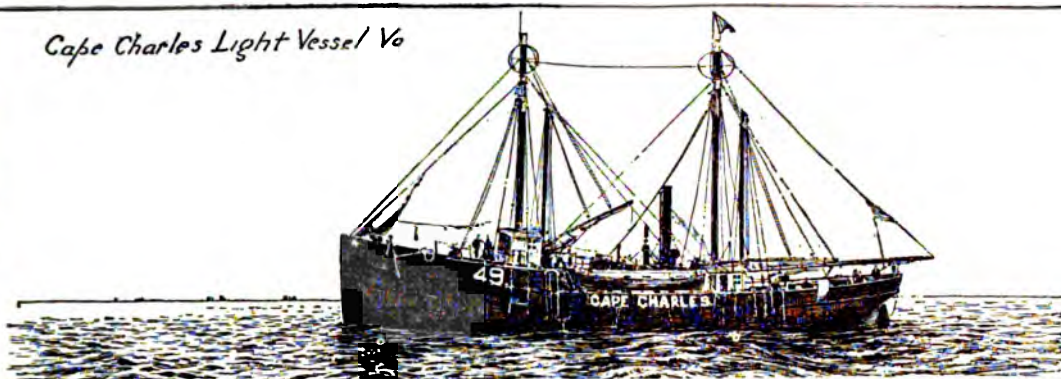
FIFTH DISTRICT.

VIRGINIA.

420	Hog Island.....	On S. end of Hog Island, Great Machipongo Inlet, Va.	37 23 17 75 41 56	Fixed white	4	55	12 $\frac{1}{2}$
421	Cape Charles Light-Vessel, No. 49..	Off Smith Island, N. side of entrance to Chesapeake Bay, Va.	37 05 (32) 75 43 (00)	Two fixed white	Ref'r.	$\left\{ \begin{array}{l} 45 \\ 45 \end{array} \right\}$	12
422	CAPE CHARLES	On Smith Island (Cape Charles), N. side of entrance to Chesapeake Bay, Va.	37 07 12 75 53 31	Flashing white every 45 sec.; duration of flash, 3 sec.	1	157	18 $\frac{1}{2}$
423	CAPE HENRY.....	South side of entrance to Chesapeake Bay, Va.	36 55 35 76 00 27	Fixed white, with a fixed red sector between SW. by W. and SSE.	1	157	18 $\frac{1}{2}$
424	THIMBLE SHOAL	On Thimble Shoal, off The Horseshoe, Chesapeake Bay, N. side of channel to Hampton Roads, Va.	37 00 (52) 76 14 (24)	Fixed white for 1 minute, followed by six consecutive flashes at intervals of 10 sec., alternately red and white.	4	42 $\frac{1}{2}$	11 $\frac{1}{2}$
425	Old Point Comfort.....	North side of entrance to Hampton Roads, Va., on beach in front of Fort Monroe.	37 05 06 76 18 24	Fixed white	4	53 $\frac{1}{2}$	12 $\frac{1}{2}$
426	Bush Bluff Light-Vessel, No. 46.	Off Bush Bluff Shoal, E. side of river, Va.	36 54 (36) 76 20 (17)	Two fixed white	Ref'r.	$\left\{ \begin{array}{l} 45 \\ 45 \end{array} \right\}$	12
427	Crane Island	West side of channel, near mouth of river, Va.	36 53 (33) 76 20 (18)	Fixed white	5	34	11
428	Naval Hospital.....	On Naval Hospital Wharf, Va.....	36 50 55 76 18 07	Fixed red.....	Lens lantern	42 $\frac{1}{2}$	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Cape Charles Light Vessel Va



*Cape Charles Light Station Va.
N.N.W 1/2 mile*

Inaccurate



*Cape Henry Light Station, Va.
S.W. by W 1/2 mile*



*Thimble Shoal Light Station, Va
W.N.W. 1/8 mile.*



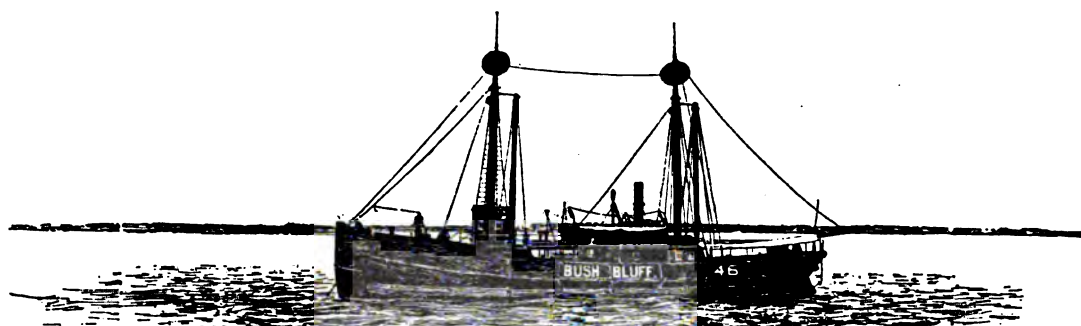




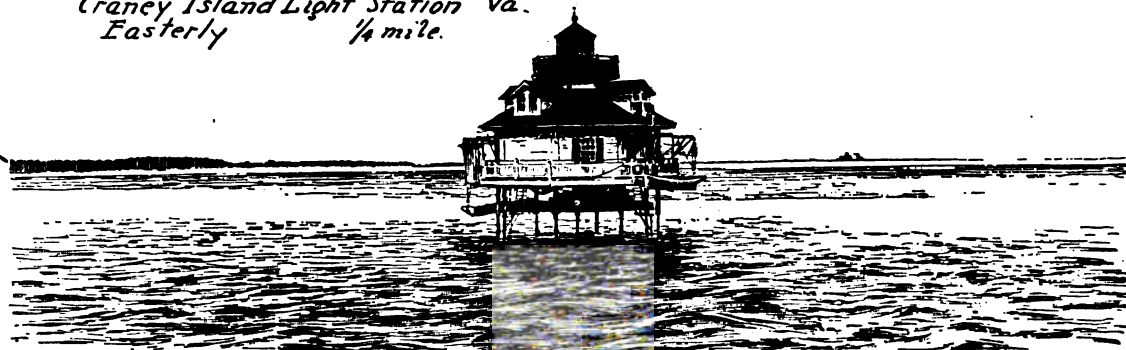
*Old Point Comfort Light Station Va.
N.W. $\frac{1}{4}$ mile*



Bush Bluff Light Vessel Va.



*Crane Island Light Station Va.
Easterly $\frac{1}{4}$ mile.*



*Newport News Middle Ground Light Station Va
N.W. $\frac{1}{4}$ mile.*



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VIRGINIA.

FOURTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height in feet from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.									
417	Two masts, schooner-rigged; red hoop-iron day-mark at mainmast head. Hull, red, with the words "WINTER-QUARTER, 45" in large white letters and figures on each side, and "45" on stern.		1874	1888	12-inch steam whistle; blast 5 sec., two silent intervals of 10 sec. and one silent interval of 90 sec. If whistle be disabled a bell will be rung by hand.	Moored in 66 feet of water, fine black sand bottom. Assateague Light, W. by S.; Green Run Inlet, NW. Whistle sounds thus: <table><tr><td>Silent</td><td>Silent</td><td>Silent</td></tr><tr><td>Blast, interval,</td><td>Blast, interval,</td><td>Blast, interval,</td></tr><tr><td>5 sec. 10 sec.</td><td>5 sec. 10 sec.</td><td>5 sec. 90 sec.</td></tr></table>	Silent	Silent	Silent	Blast, interval,	Blast, interval,	Blast, interval,	5 sec. 10 sec.	5 sec. 10 sec.	5 sec. 90 sec.
Silent	Silent	Silent													
Blast, interval,	Blast, interval,	Blast, interval,													
5 sec. 10 sec.	5 sec. 10 sec.	5 sec. 90 sec.													
418	Tower, red; lantern, black. Top of dwelling shows above trees from between S. and E.	129	1833	1867		Thirty-six miles from Fenwick Island Light. Chincoteague Shoals extend about 5 miles from the light, lying between N. and WNW.									
419	Square frame dwelling and tower painted white, with lead-colored trimmings and green blinds, surmounted by black lantern. Red screw-pile foundation.		1886		Bell struck by machinery every 15 sec.										

VIRGINIA.

FIFTH DISTRICT.

419	Tower and dwelling, white; lantern, black.	45	1852			To be rebuilt. Guide to coasters and for entering the Great Machipongo Inlet.								
421	Two masts, schooner-rigged; red cage-work day-mark at each masthead. Hull, red, with "CAPE CHARLES, No. 49," in large white letters and figures on each side.		1888		12-inch steam whistle; blasts 5 sec., silent intervals 15 sec. If whistle be disabled, a bell will be rung by hand.	Moored in 52 feet of water. Cape Charles Light, WNW. $\frac{1}{2}$ W., $8\frac{1}{2}$ miles. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>5 sec.</td><td>15 sec.</td><td>5 sec.</td><td>15 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	15 sec.	5 sec.	15 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	15 sec.	5 sec.	15 sec.											
422	Tower white, with a red horizontal band 25 feet wide 60 feet above the ground; lantern, black; outbuildings, white.	150	1827	1864		To be rebuilt. Cape Henry Light, SSW. $\frac{1}{4}$ W., $12\frac{1}{2}$ miles. There is a life-saving station here.								
423	Octagonal tower; base, service room, and lantern, black; shaft colored on each face, half white and half black, alternating, so that upper and lower halves of faces show alternately black and white. Dwellings and fog-signal house near. Old tower, SW. by W., 340 feet.	152	1791	1881	1st-class steam siren; blasts 5 sec., silent intervals 90 sec.	The red sector covers the shoals outside of Cape Charles and the Middle Ground extending from the entrance into Chesapeake Bay. High white sand hills in vicinity. There is a signal-display station here. Siren sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>5 sec.</td><td>90 sec.</td><td>5 sec.</td><td>90 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	90 sec.	5 sec.	90 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	90 sec.	5 sec.	90 sec.											
424	White hexagonal screw-pile structure; piles and roof, brown; lantern, black. One bell on N. and other on S. side of light-house.		1872	1880	Two bells struck by machinery, simultaneously, every 5 sec.	Stands in 11 feet at mean low water on shoal east point of Thimble Shoal, $3\frac{1}{2}$ miles from Old Point Comfort Light. To the southward of the light the water deepens rapidly to 8 and 9 fathoms. There is a 10-foot lump about 700 yards to westward. The light to be left on starboard hand going into Hampton Roads.								
425	Tower and dwelling, white; lantern, black; fog-bell frame, brown, detached.	47	1802		Bell struck by machinery every 10 sec.	There is a signal station here.								
426	Two masts, schooner-rigged; mast-heads white, with red cage-work day-mark at each; hull red, with "BUSH BLUFF, No. 46," in large white letters and figures on each side.		1891		12-inch steam whistle, blasts 5 sec., alternate silent intervals of 10 and 90 sec. If whistle be disabled a bell will be rung by hand.	Moored in 24 feet of water. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval,</td><td>Blast,</td><td>Silent interval,</td></tr><tr><td>5 sec.</td><td>10 sec.</td><td>5 sec.</td><td>90 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	10 sec.	5 sec.	90 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	10 sec.	5 sec.	90 sec.											
427	White octagonal screw-pile structure; piles and roof, brown; lantern, black.		1859	1884	Bell struck by machinery every 12 sec.	Stands in 3 feet at mean low water.								
428	Lantern, suspended on a mast		1867	1878										

FIFTH DISTRICT.

VIRGINIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nauti- cal miles.
429	Newport News Middle Ground.	On westerly end of Newport News Middle Ground, Hampton Roads, Va.	36 58 (41) 76 23 (33)	Fixed white, varied by a white flash every 20 sec.	4	51½	12½
430	Nansemond River	On shoal E. side of entrance to Nansemond River, ¼ mile N. of Pig Point, Va.	36 54 53 76 26 40	Fixed red.....	6	36	7½
431	White Shoal	On lower end of White Shoal, Va.	37 01 19 76 31 40	Fixed white	6	32½	10½
432	Point of Shoals	On Point of Shoals, Va., about center of curve of river forming Burwells Bay, a little below Mulberry Point.	37 04 06 76 39 12	Fixed white	6	33	11
433	Deep-Water Shoals.....	On shoal above Mulberry Point, Va.	37 06 56 76 38 13	Fixed white	6	33	11
434	Jordan Point	On Jordan Point, about 2½ miles below City Point Va.	37 18 46 77 13 26	Fixed white	6	31½	10½
435	Dutch Gap Cutoff (lower light).	One at each end of cutoff, Va.	37 22 (36) 77 21 (34)	Fixed red.....	Lens lantern	21	.....
436	Dutch Gap Cutoff (upper light).		37 22 (38) 77 21 (38)	Fixed red.....	Lens lantern	21	.....
437	Back River.....	South side of entrance to Back River, W. side of bay, Va.	37 05 14 76 16 12	Fixed white, varied by a white flash every 30 sec.	4	33	11
438	YORK SPIT	On easterly end of York Spit, entrance to York River from the bay, Va.	37 12 34 76 15 16	Fixed red.....	4	36½	11½
439	Old Plantation Flats.....	On upper end of Old Plantation Flats, E. side of the bay, Va.	37 13 44 76 02 56	Fixed white, with a fixed red sector between N. by W. ¼ W. and NE. ¼ N.	4	38½	11½
440	Cherrystone	On shoal, W. side of entrance to Cherrystone Inlet, 2½ miles S. of Westcott Point, Va.	37 15 38 76 02 05	Fixed white, with a fixed red sector between N. ¾ E. and SSW. ¼ W. Dark sector between SW. ¾ W. and NW. ¼ N.	4	34	11
441	Range. { Cape Charles City (front)	On edge of shore below Cape Charles City, Va.	.....	Fixed white	Lens lantern	18	.....
442		About 280 feet NE. ¼ N. from preceding.	.....	Fixed white	Lens lantern	39	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

VIRGINIA.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
429	Black cylindrical foundation pier, surmounted by a brown conical tower. A gallery, with roof, surrounds base of tower.	.....	1891	.....	Bell struck by machinery a double blow every 15 sec.	Stands in about 15 feet at mean low water.
430	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1878	.....	Bell struck by machinery every 7 sec.	Stands in 5½ feet at mean low water.
431	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1854	1871	Bell struck by machinery every 10 sec.	Stands in 4 feet at mean low water, on starboard side of main channel going up river.
432	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1854	1871	Bell struck by machinery at alternate intervals of 5 and 20 sec.	Stands in 2 feet at mean low water, on starboard side of main channel going up river.
433	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1854	1867	Bell struck by machinery every 15 sec.	Stands in 2 feet at mean low water, on starboard side of main channel going up river.
434	Square white tower; lantern, black; dwelling in rear, white; roof, brown.	28½	1854	1875	Bell struck by machinery every 10 sec.	On port side of river going up.
435	Lantern, in red box, on white post	19	1875	.....	.....	} On port side of river going up.
436	Lantern, in red box, on white post. White dwelling, on top of hill.	19	1875	.....	.....	
437	White tower and dwelling; lantern, black.	30	1829	.....	.....	About 5½ miles NNE. of Old Point Comfort Light.
438	White hexagonal screw-pile structure; piles, brown; lantern, black.	.....	1855	1870	Bell struck by machinery every 10 sec.	Stands in 12½ feet at mean low water. Serves as a guide up and down the bay. New Point Comfort Light, N. by W., 5½ miles; Back River Light, S. by W., 7½ miles. Vessels drawing over 21 feet of water should not approach the light on the eastern side nearer than ¼ mile. Vessels drawing not over 18 feet of water may approach the light on the E. side within ¼ mile, and on the S. and SW. within ½ mile; and vessels drawing not over 14 feet may pass over the shoal to the northwestward of the light within ¼ mile, but no farther distant than 2½ miles.
439	Square frame dwelling, painted white; iron screw-pile foundation and roof, brown; blinds, green; lantern, black.	.....	1896	.....	Bell struck by machinery every 15 sec.	Stands in 10 feet at mean low water. Cherrystone Light, N. by E. ½ E., 1½ miles; Old Plantation Creek, E., 1½ miles. Vessels running up the bay from its entrance on a NNW. ¼ W. course, with the light showing red, will change their course to N. ¼ E., when the light becomes white; going down the bay on a S. ¼ W. course, with the light showing white, will change to a SSE. ¼ E. course, when the light becomes red; bound for Cape Charles City from the bay, will keep to the westward and immediately on edge of red ray until the light is passed.
440	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1858	.....	Bell struck by machinery a double blow every 30 sec.	Stands in 5 feet at mean low water. The red sector covers the shoals on the W. side of the entrance to Cherrystone Inlet. The light shows fixed red from all points in Chesapeake Bay, excepting from the southward to the eastward of N. ¼ E. The dark sector covers entrance to wharf and pier of the N. Y., P. and N. R. R.
441	White post	.....	1891	.....	.....	} Guide across southern end of Cherrystone Bar.
442	Square, brown, pyramidal structure, with red trimmings.	.....	1891	.....	.....	

FIFTH DISTRICT.

VIRGINIA AND MARYLAND.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
443	Cape Charles City Harbor (southern).	On S. side of out entrance to harbor, Va.		Fixed white	Tub'lar lantern.		
444	Cape Charles City Harbor (northern).	On N. side of out entrance to harbor, Va.		Fixed red	Tub'lar lantern.		
445	YORK RIVER. Tue Marshes	On shoal about $\frac{1}{2}$ mile N. from Tue Point, Va.	37 14 (15) 76 23 (11)	Fixed white	5	40 $\frac{1}{2}$	11 $\frac{1}{2}$
446	Pages Rock						
447	Bells Rock	On Bells Rock, NE. side of channel, Va.	37 29 (26) 76 45 (35)	Fixed white, with a fixed red sector from NNW. $\frac{1}{2}$ W. through eastward and north- ward to SE. by E. $\frac{1}{2}$ E.	4	42 $\frac{1}{2}$	11 $\frac{1}{2}$
448	NEW POINT COMFORT	North side of entrance to Mobjack Bay, W. side of Chesapeake Bay, Va.	37 18 03 76 16 41	Fixed white	4	57 $\frac{1}{2}$	13
449	WOLF TRAP (<i>see Remarks</i>)	On E. end of Wolf Trap Spit, between York and Rappahannock Rivers, Va.	37 23 16 76 11 33	Fixed white, varied by a white flash, from N. $\frac{1}{2}$ E. through east- ward to S. $\frac{1}{2}$ W.; fixed red, varied by a red flash through- out the remaining sector. Interval be- tween flashes, 30 sec.	4	36 $\frac{1}{2}$	11 $\frac{1}{2}$
450	Stingray Point	About 1 mile E. of Stingray Point, Va., S. side of mouth of Rappahannock River.	37 33 (40) 76 16 (13)	Fixed red	6	33 $\frac{1}{2}$	7 $\frac{1}{2}$
451	Bowlers Rock	On shoal on port side of channel going up Rappahannock River, Va.	37 49 (18) 76 43 (48)	Fixed white	5	32	10 $\frac{1}{2}$
452	WINDMILL POINT	On Rappahannock Spit, N. side of mouth of Rappahannock River, Va.	37 35 (55) 76 14 (13)	Fixed white	5	35 $\frac{1}{2}$	11
453	Watts Island	On Little Watts Island, Va., E. side of Tangier Sound, W. side of Pocomoke Sound.	37 46 57 75 53 38	Fixed white, varied by a white flash every 2 minutes.	5	48	12 $\frac{1}{2}$
454	Tangier Sound	On shoal making out to southward and eastward from Tangier Island, S. en- trance to Tangier Sound, Va.	37 47 (15) 75 58 (32)	Fixed white, with a fixed red sector be- tween NE. $\frac{1}{2}$ E. through westward and northward to S. by W. $\frac{1}{2}$ W.	4	39	11 $\frac{1}{2}$
455	Janes Island	Entrance to Little Annemessex River, Md., Tangier Sound, on southern end of shoal extending from Janes Island.	37 57 (45) 75 55 (10)	Fixed white	4	38	11 $\frac{1}{2}$
456	Somers Cove	On shoal, N. side of Little Annemessex River, Md., about $\frac{1}{2}$ miles eastward of Janes Island Light.	37 58 03 75 52 (33)	Fixed white	6	33	11

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

VIRGINIA AND MARYLAND.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
443	Cluster of piles.....		1891			Mark the outer end of the cut entrance to Cape Charles City Harbor.
444	Cluster of piles.....		1891			
445	Square white screw-pile structure; piles and roof, brown; lantern, black.		1875		Bell struck by machinery alternately a single and a double blow, intervals 30 sec.	Stands in 5 feet at mean low water. To mark the entrance to York River. New Point Comfort Light, NE. by E., about 6½ miles.
446						Building.
447	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.		1881		Bell struck by machinery every 15 sec.	Stands in 10 feet at mean low water. One edge of red sector cuts Red Buoy No. 16, SSE. ¼ E. from the light, and the other cuts Black Buoy No. 13, SW. side of entrance to dredged channel to West Point and into Pamunkey River. Between Buoys Nos. 16 and 13 vessels should keep in the white light close to the edge of the red sector.
448	Tower, white; lantern, black; dwelling, white.	56	1804			Bay light and guide into Mobjack Bay.
449	White hexagonal screw-pile structure; piles, brown; lantern, black.		1821	1870	Bell struck by machinery every 15 sec.	Stands in 12½ feet at mean low water. The red sector covers the shoals making out from the W. shore of the bay, abreast of and above and below the light-house. <i>Destroyed by ice January 22, 1893. To be rebuilt.</i>
450	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.		1858		Bell struck by machinery at alternate intervals of 5 and 30 sec.	Stands in 6 feet at mean low water. Windmill Point Light, NE. ¼ N., 2½ miles; Wolf Trap Light, S. by E. ¼ E., 10½ miles.
451	Square white screw-pile structure; piles, brown; shingle roof; lantern, black.		1868		Bell struck by machinery every 10 sec.	Stands in 6½ feet at mean low water. On end of shoal on S. side of river, with a depth of 5 fathoms of water close-to. It is opposite to and 150 yards from Bowlers Rock obstructions, between which and the light-house the main channel lies.
452	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.		1869		Bell struck by machinery every 10 sec.	Stands in 13 feet at mean low water. Guide up the bay. Stingray Point Light, SW. ¼ S., 2½ miles. Vessels drawing 18 feet or more should not approach the light on eastern side nearer than 2 miles; vessels drawing less than 18 feet may approach the light on the N. or S. sides within 1,000 yards with safety; and vessels drawing 12 feet or less may approach it in safety to within 400 yards on the N., E., and S. sides, but should not attempt to pass between it and the land at Windmill Point. A first-class can buoy (black, No. 17) marks the eastern extremity of the spit making out from Windmill Point.
453	White tower, with white dwelling detached; lantern, black.	40	1833			Marks the entrance to Pocomoke and Tangier Sounds, Va.
454	Square white screw-pile structure, with green shutters and black lantern; piles and roof, brown.		1890		Bell struck by machinery at alternate intervals of 5 and 30 sec.	Stands in 4½ feet at mean low water. The red sector covers the shoal making out to the southward and eastward from Tangier Island.
455	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.		1867	1879	Bell struck by machinery every 15 sec.	Stands in 5½ feet at mean low water, about 300 feet W. from former light-house. Guide into Little Annemessex River, Md.
456	Square white screw-pile structure; piles, brown; shingle roof; roof of lantern, black.		1867		Bell struck by machinery every 15 sec.	Stands in 6 feet at mean low water. Guide to the harbor of Crisfield, Md.

FIFTH DISTRICT.

VIRGINIA AND MARYLAND.

Number.	Name.	Location.	Latitude, north. Longitude west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
457	Great Wicomico River.....	On shoal making out from Fleet Point, N. side of entrance to Great Wicomico River, Va.	37 48 (15) 76 15 (54)	Fixed white, with a fixed red sector be- tween SW. by W. and ESE.; and an- other between NNW. and ENE.	4	42	11½
458	SMITH POINT	On shoal making out from SE. side of mouth of Potomac River, W. side of bay, Va.	37 53 (41) 76 11 (42)	Flashing white, from N. ½ W. through southeastward to W., and from S. ½ E. to SE. ½ E.; flashing red throughout the in- tervening sectors. Interval between flashes, 30 sec.	4	36½	11½
459	POINT LOOKOUT.....	North side of the entrance to the river, W. side of Chesapeake Bay, Md.	38 02 19 76 19 20	Fixed white, with a fixed red sector be- tween NW. by W. ½ W. and SW.	4	41	11½
460	Piney Point.....	East side of river about 14 miles NW. from its mouth, Md.	38 08 07 76 31 48	Fixed white	5	33½	11
461	Blakistone Island	Near entrance to St. Clement Bay, N. side of river, Md.	38 12 26 76 44 42	Fixed white, with a fixed red sector be- tween W. and SW.	4	44½	12
462	Cob Point Bar	On shoal making out from Cob Point, W. side of entrance to Wicomico River, N. side of Potomac River, Md.	38 14 (27) 76 49 (41)	Fixed white	4	38½	11½
463	LOWER CEDAR POINT.....	On end of Yates Shoal, Md., W. side of river, opposite Lower Cedar Point, above Kettle-Bottom Shoals.	38 20 23 76 50 37	Fixed white, with a fixed red sector be- tween NNW. ½ W. and W.	5	33½	11
464	Mathias Point Shoal.....	On end of shoal off Mathias Point, Va....	38 24 (16) 77 02 (17)	Fixed white	5	43½	12
465	UPPER CEDAR POINT.....	On end of shoal off Upper Cedar Point, above mouth of Port Tobacco River, Md.	38 24 10 77 04 58	Fixed white, with a fixed red sector be- tween W. by S. and SW. ½ W.; and an- other between NE. ½ N. and NE. by E. ½ E.	5	33½	11
466	Maryland Point	About the middle of the shoal, lying ½ mile SE. by S. off Maryland Point, Md.	38 21 (00) 77 11 (53)	Flashing white every 5 sec.	4	41½	11½
467	Fort Washington.....	On wharf at Fort Washington, Md.	38 42 (45) 77 02 (11)	Fixed white	6	14½	8½
468	Jones Point.....	About 1 mile below Alexandria, W. bank of river, Va.	38 47 25 77 02 27	Fixed white	5	32½	10½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

VIRGINIA AND MARYLAND.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
457	White hexagonal screw-pile structure, with green shutters; piles and roof, brown; lantern, black.	.....	1889	.....	Bell struck by machinery, a double blow every 15 sec.	Stands in 9 feet at mean low water. The northerly red sector covers the shoals making out to the southward and eastward from Fleet Point. The southerly red sector covers the shoals making out to the northward and eastward from Dameron Marsh. Vessels entering or leaving the river should keep in the white light, excepting to pass through the southerly red sector, while passing to the southward of the light-house close-to.
458	White hexagonal screw-pile structure; piles and lantern, black; roof, brown.	.....	1868	.....	Bell struck by machinery every 15 sec.	Stands in 12 feet at mean low water, with from 4 to 6 fathoms within 150 yards of it to the eastward, and 2 fathoms on the shoal extending about 1 mile all around from NW. by westward to SW. Vessels passing up or down the bay, or into Potomac River, and drawing 12 to 14 feet of water, may approach the light safely to within a distance of 250 yards, but vessels of heavier draft should give it a berth of $\frac{1}{2}$ mile. The northeasterly red sector covers the shoals on the E. side of the bay abreast of Point Lookout, and its S. edge marks a change of course in going up or coming down the bay, and for entering and leaving the Potomac River. The southwesterly red sector covers the shoals off Smith Point.
459	Black lantern on white dwelling; fog-bell tower painted white, at E. end of coal shed.	36	1831	.....	Bell struck by machinery every 10 sec.	Bay light, and marks entrance to Potomac River. The red sector covers the shoals on the E. side of the bay, abreast of Point Lookout.
460	Tower and dwelling, white; lantern, black; fog-bell tower, white, 15 feet to westward.	30	1836	.....	Bell struck by machinery every 20 sec.	
461	Black lantern on white dwelling; detached fog-bell tower, brown.	41	1851	.....	Bell struck by machinery every 16 sec.	The red sector covers the shoals off Heron Island.
462	White square screw-pile structure, with green shutters; piles and roof brown; lantern, black.	.....	1889	.....	Bell struck by machinery, a double blow every 15 sec.	Stands in 6 feet at mean low water.
463	White square screw-pile structure; piles, brown; shingle roof; roof of lantern, black.	.....	1867	.....	Bell struck by machinery every 12 sec.	Stands in 6 feet at mean low water, with deep water within 100 yards on E. side. The red sector covers Kettle-Bottom Shoals.
464	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1876	.....	Bell struck by machinery, a single and a double blow, alternately; intervals, 30 sec.	Stands in $3\frac{1}{2}$ feet at mean low water.
465	White square screw-pile structure; piles and roof, brown; lantern, black; window shutters, green.	.....	1867	.....	Bell struck by machinery every 15 sec.	Stands in 3 feet at mean low water, with deep water within 150 yards of it. The southerly edge of the northeasterly red sector marks the northern edge of the channel, abreast of and above Mathias Point Light-House. The southwesterly red sector covers the shoals on the Virginia side of the river, between Dade Shoal and Maryland Point.
466	White hexagonal screw-pile structure; piles and roof, brown; lantern, black; window shutters, green.	.....	1892	.....	Bell struck by machinery, a double blow every 15 sec.	Stands $10\frac{1}{2}$ feet at mean low water, just inside and near the northerly edge of the southwesterly red sector of Upper Cedar Point Light.
467	White tower, with black lantern. Dwelling in rear of tower.	17	1857	1869	Bell struck by machinery every 15 sec.	
468	Black lantern on white dwelling.....	.....	1855	.....	.....	

FIFTH DISTRICT.

MARYLAND AND VIRGINIA.

Number.	Name.	Location.	Latitude north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nauti- cal miles.
482	Love Point	On shoal making out from Love Point, upper end of Kent Island, Md.	39 03 (15) 76 17 (08)	Fixed white	5	37½	11½
483	Range. Craighill Channel (front)	In the bay, near the mouth of Patapsco River, in the direct prolongation of axis of Craighill Channel, Md.	39 11 19 76 23 41	Two fixed white	5 Range lens.	39 21½	11½ 9½
484		On shoal, near Hart Island, 2½ miles in rear of preceding, on the direct pro- longation of axis of Craighill Channel, Md.	39 13 (41) 76 23 (37)	Fixed white	Range lens.	105	16
485	SEVEN-FOOT KNOLL.....	Mouth of Patapsco River, on Seven- Foot Knoll, between Main and Swash Channels, Md.	39 09 19 76 24 33	Fixed red	4	42	11½
486	Range. Cutoff Channel (front)	On pier formerly occupied by rear bea- con of old North Point Range, Md.	39 11 49 76 26 55	Fixed white	Ref'r.	25	10
487		On mainland, head of Old Road Bay, 1.3 miles NNW. ¼ W. from preceding, Md.	39 12 58 76 27 47	Fixed white	Ref'r.	64	13½
488	Fort Carroll	On SW. corner of Fort Carroll, Md.....	39 12 (53) 76 31 (09)	Fixed white	5	74	12½
489	Brewerton Chan- nel Range. Hawkins Point (front).....	On shoal near Hawkins Point, S. side of river, Md.	39 12 28 76 31 58	Fixed white	Ref'r.	27	10½
490		On Leading Point, S. side of river, 1 mile NW. by W. ¼ W. from preceding, Md.	39 12 49 76 33 08	Fixed white	Ref'r.	69	12½
491	Lazaretto Point	North side of Baltimore Harbor, oppo- site Fort McHenry, Md.	39 15 46 76 34 18	Flashing red every 5 sec.	4	38	11½
492	Pooles Island.....	On Pooles Island, off mouth of Gun- powder River, Md.	39 17 28 76 16 00	Fixed white	4	34½	11
493	Turkey Point.....	On the bluff point separating the mouths of Elk and Northeast Rivers, head of bay, Md.	39 27 00 76 00 31	Fixed white	4	63½	18½
494	Fishing Battery	On Fishing Battery, below entrance to Susquehanna River, Md.	39 29 (38) 76 05 (00)	Fixed white	6	34½	11
495	Havre de Grace.....	On Concord Point, near Havre de Grace, Md., W. shore of mouth of Susque- hanna River.	39 32 27 76 05 06	Fixed red	5	38½	8½
496	Old Town Point Wharf Post- Light.....	On Old Town Point Wharf, near end, E. side of Elk River, Md.	39 30 (10) 76 54 (54)	Fixed white	Tub'lar lantern	25	.....
497	Randall Wharf Post-Light.....	At point of shoal making out from Ran- dall Wharf, just inside of E. side of entrance to Back Creek, Md.	39 30 (04) 75 51 (49)	Fixed white	Tub'lar lantern	20	.....
423	CAPE HENRY	South side of entrance to Chesapeake Bay, Va.	36 55 35 76 00 27	Fixed white, with a fixed red sector be- tween SW. by W. and SSE.	1	157	18½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

MARYLAND AND VIRGINIA.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.		
432	White hexagonal screw-pile structure, protected by riprap; piles and roof, brown; lantern, black.	.....	1872	.....	Bell struck by machinery every 8 sec.	Guide up and down the Cheeter River. Vessels drawing more than 9 feet of water should not pass between the point and the light-house.		
433	Brown dwelling on brown cylindrical foundation, surmounted by black lantern.	.....	1873	.....	Bell struck by machinery at alternate intervals of 3 and 30 sec.	} Serve as a range for Craighill Channel. The lower front light shows brightly only in the axis of the channel.		
434	Open frame pyramid of four sides; lower portion, white; upper part, brown; trimmings, lead-color; lantern, black.	.....	1873	.....	.....			
435	Brown octagonal screw-pile structure, with green window shutters.	.....	1855	.....	Bell struck by machinery every 12 sec.	Marks the shoal known as Seven-Foot Knoll.		
436	Octagonal brick tower, painted in three horizontal bands, upper and lower, red; middle, white.	18	1896	.....	.....	} Mark the Cutoff Channel between the Craighill and Brewerton Channels, at the entrance to Baltimore Harbor.		
437	Four-sided open iron-frame pyramid, with square central shaft, surmounted by a lantern. Framework and shaft painted white; lantern roof, brown.	56	1896	.....	.....			
438	Black lantern on white structure....	75	1854	1875	Bell struck by machinery every 10 sec.	Guide to clear the fortification. Channel on S. side of fort.		
439	White hexagonal screw-pile structure; ironwork and roof, brown.	.....	1868	.....	.....	Stands in 6 feet at mean low water.		
440	White tower and brown dwelling attached; mast surmounted by black ball stands immediately behind, and shows about 15 feet above the tower.	40	1868	.....	.....	With the preceding serves as a range for Brewerton Channel.		
441	Tower, white; lantern, black; dwelling, white; fog-bell frame, brown.	34	1831	.....	Bell struck by machinery every 10 sec.	The light shows red, to distinguish it from the flame of a blast furnace near by.		
442	Tower and dwelling, white; lantern, black; detached fog-bell frame, brown.	30	1825	.....	Bell struck by machinery every 12 sec.			
443	Tower, dwelling, and fog-bell tower, white; lantern, black. The light-tower is partly hidden by foliage.	30	1853	.....	Bell struck by machinery every 10 sec.			
444	Black lantern on white dwelling.....	32	1853	.....	.....	Channel on S. side of light-house.		
445	Tower and dwelling, white; lantern, black.	32	1827	.....	.....			
446	Lantern on white post.....	.....	1887	.....	.....	Guide to entrance to Back Creek, leading to Chesapeake City, Md.		
447	Lantern on red post, connected with the shore by a footbridge on piles.	.....	1887	.....	.....	Guide to Chesapeake City, Md.		
448	Octagonal tower; base, service-room, and lantern, black; shaft colored on each face, half white and half black, alternating, so that upper and lower halves of faces show alternately black and white. Dwellings and fog-signal house near. Old tower SW. by W., 340 feet.	152	1791	1881	1st-class steam siren; blasts 5 sec., silent intervals 90 sec.	The red sector covers the shoals outside of Cape Charles and the Middle Ground extending from the entrance into Chesapeake Bay. High white sand hills in vicinity. There is a signal-display station here. Siren sounds thus:		
					Blast.	Silent interval,	Blast.	Silent interval,
					5 sec.	90 sec.	5 sec.	90 sec.

FIFTH DISTRICT.

VIRGINIA AND NORTH CAROLINA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in navi- gational miles.	
498	CURRITUCK BEACH	On coast of North Carolina, about mid- way between Cape Henry and Bodie Island Light-Stations, N. C.	36 22 36 75 49 51	Fixed white, varied by a red flash every 90 sec.	1	158	18½	
499	BODIE ISLAND	On Bodie Island, 1½ miles N. of Oregon Inlet, ½ mile from the Atlantic Ocean, and ½ mile from Roanoke Sound, N. C.	35 49 07 75 33 49	Fixed white	1	156	18½	
500	CAPE HATTERAS	About 2 miles N. of southern extremity of point of cape, N. C.	35 15 17 75 31 16	Flashing white every 10 sec.	1	191	20	
501	Cape Hatteras Beacon	About ½ mile from southern extremity of point of Cape Hatteras, N. C.	35 14 28 75 31 18	Fixed white	6	27	10½	
502	OUTER DIAMOND SHOALS							
503	OCEA COKE	Near entrance to and on N. side of Oc- raoke Inlet, about 23½ miles to south- ward and westward of Cape Hatteras, N. C.	35 06 32 75 59 11	Fixed white	4	75	14½	
504	CAPE LOOKOUT	Near extremity of Cape Lookout, N. C.	34 37 22 76 31 29	Fixed white	1	156	18½	
505	NORTH LANDING RIVER {	Beacon-Light No. 1	At the junction of Blackwater and North Landing Rivers, Va.	36 35 (36) 76 03 (37)	Fixed white	Lens lantern	20	8½
506		Beacon-Light No. 2	About ½ mile ESE. ½ E. from point formed by junction of North Landing and Blackwater Rivers, Va.	36 35 (30) 76 02 (59)	Fixed white	Lens lantern	20	8½
507		Beacon-Light No. 3	On shoal at Green Point, Va., about ½ mile SW. by S. from Walke Point.	36 33 (21) 76 01 (52)	Fixed white	Lens lantern	20	8½
508		Beacon-Light No. 4	On shoal at end of Faraby Island, SE. by E., about ½ mile from Gibbs Point, Va.	36 32 (03) 76 01 (19)	Fixed white	Lens lantern	20	8½
509	CURRITUCK SOUND. {	Beacon-Light No. 5	Off Mackay Island, about 1½ miles SSE. from Troublesome Point, and about 1½ miles WNW. ½ W. from Halfway Point, N. C.	36 28 (40) 76 00 (08)	Fixed white	Lens lantern	20	8½
510		Beacon-Light No. 6	In a southerly direction from Mackay Island, 2 miles S. ½ E. from Halfway Point; 2½ miles due E. from Currituck Court-House, and ½ mile N. from Bell Point, N. C.	36 28 (59) 75 57 (55)	Fixed white	Lens lantern	20	8½
511		Beacon-Light No. 7	One-half mile W. from head of Church Island, and ½ mile E. from Bell Island, N. C.	36 25 (00) 75 57 (13)	Fixed white	Lens lantern	20	8½
512		Beacon-Light No. 8 (Long Point).	On Long Point, N. C.	36 23 (52) 75 57 (21)	Fixed white	Lens lantern	26	8½
513	Beacon-Light No. 9	In North River, opposite mouth of Alber- marle and Chesapeake Canal, N. C.	36 12 (48) 75 58 (15)	Fixed white	Lens lantern	20	8½	
514	Beacon-Light No. 10	In North River, off Deep Bend, N. C.	36 15 (24) 75 57 (27)	Fixed white	Lens lantern	20	8½	
515	Range. {	North River Bar (front)						
516		North River Bar (rear)						

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

VIRGINIA AND NORTH CAROLINA.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
486	Conical red tower; lantern, black. Dwelling detached and in rear. To the N. and S. of tower are high white sand hills; no other prominent objects in the vicinity.	150	1875			Cape Henry Light, N. by W., 34 miles; Bodie Island Light, S. by E. $\frac{1}{2}$ E., 32 $\frac{1}{2}$ miles.
489	Conical brick tower, granite base. Shaft colored in alternate black and white bands, commencing with black below; lantern and iron-work, black. White dwelling, 50 yards to westward.	150	1872			This light also shows in the Sounds of North Carolina within its geographical range of visibility. Cape Hatteras, due S., 35 miles; Cape Henry, N. by W. $\frac{1}{2}$ W., 70 miles.
500	Tower colored in spiral bands, alternately black and white; lantern, black.	189	1798	1870		Dangerous shoals, with 9 feet of water over them, lie in a southeasterly direction from the light, at a distance of 9 to 10 miles. There is a life-saving station here.
501	White, square screw-pile structure; piles and roof, brown; lantern, black.	23	1855	1886		Cape Hatteras Light, N. $\frac{1}{2}$ E., 1 mile.
502						To be built.
503	Tower and dwelling, white; lantern, black.	65	1828			
504	Tower, colored in black and white checkers; lantern, black.	150	1812	1859		Cape Hatteras, northeasterly, 63 miles.
505	Lantern on black iron column.....		1879			
506	Lantern on red iron column.....		1879			
507	Lantern on black iron column.....		1879			
508	Lantern on red iron column.....		1879			
509	Lantern on red iron column.....		1879			
510	Lantern on red iron column.....		1879			
511	Lantern on black iron column.....		1879			
512	Lantern on end of brown boathouse.....		1879			
513	Lantern on black iron column.....		1879			
514	Lantern on red iron column.....		1879			
515						
516						

} Building.

FIFTH DISTRICT.

NORTH CAROLINA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
517	North River	On bar at entrance to North River, N. C., about 300 yards westward from channel.	36 09 (21) 75 53 (48)	Fixed red	5	35	8½
518	Wade Point	On point of shoal, W. side of Pasquotank River, N. C.	36 09 (12) 75 58 (38)	Fixed white	4	31	10½
519	Laurel Point	About 1½ miles north-northeasterly from Laurel Point, N. C.	36 00 (15) 76 23 (30)	Flashing white every 30 sec.	4	42	11½
520	Range. Edenton Harbor (front) ...	At Edenton, N. C., on end of County Wharf.	36 03 (24) 76 36 (38)	Fixed red	Lens lantern	8	.....
521		Four hundred feet northward of pre- ceding.	.....	Fixed red	Lens lantern	30	.....
522	Roanoke River	About N. of E. point at mouth of Roan- oke River, N. C.	35 57 02 76 41 40	Fixed white	4	35	11
523	Croatan	Between Croatan and Albemarle Sounds, N. C.	35 56 (48) 75 46 (50)	Fixed white, with a fixed red sector be- tween W. ½ N. and NW. ½ N.	4	40	11½
524	Roanoke Marshes	On E. side and about midway of the nar- row channel connecting Pamlico and Croatan Sounds, N. C.	35 48 (41) 75 42 (05)	Fixed white, with a fixed red sector be- tween S. ½ E. and S. ½ E.	4	37	11½
525	Long Shoal	On E. point of Long Shoal, N. C.	35 33 23 75 42 16	Fixed white	4	35	11
526	Hatteras Inlet	On Oliver Reef, N. side of entrance to Hatteras Inlet from Pamlico Sound, N. C.	35 15 48 75 45 38	Flashing red every 30 sec.	4	38	11½
527	Gull Shoal	On extreme easterly end of Gull Shoal making off to the eastward from the westerly shore of the sound.	35 22 (02) 75 57 (30)	Fixed red	4	43½	11½
503	Ocracoke	Near entrance to and on N. side of Ocracoke Inlet, about 2¾ miles to south- ward and westward of Cape Hatteras, N. C.	35 06 32 75 59 11	Fixed white	4	75	14½
528	Southwest Point Royal Shoal	On SW. point of Royal Shoal, in the sound, N. C., about 8 miles from Ocracoke Light.	35 07 (07) 76 08 (35)	Fixed white	5	35	11
529	Northwest Point Royal Shoal.	On NW. point of Royal Shoal, E. side of channel, in the sound, N. C., 9 miles from Ocracoke Light.	35 09 19 76 09 30	Fixed white, varied by a white flash every 90 sec.	4	33	11
530	Harbor Island Bar	On Harbor Island Bar, E. side of en- trance from Pamlico Sound into Core Sound, N. C.	35 00 (22) 76 13 (18)	Flashing red every 10 sec.	5	40	11½
531	Brant Island Shoal	In the southern part of the sound, N. C.	35 08 (10) 76 17 (37)	Fixed white	5	35	11

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

NORTH CAROLINA.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
517	White square screw-pile structure; piles, brown; lantern, black.	.....	1866	.....	Bell struck by machinery every 5 sec.	Stands in 3½ feet at mean low water. This channel is very narrow.
518	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1855	.....	Bell struck by machinery, a double blow, every 20 sec.	Stands in 8 feet at mean low water. Guide into Pasquotank River.
519	White hexagonal screw-pile structure; piles and roof, brown; lantern, black.	.....	1880	.....	Bell struck by machinery every 10 sec.	Stands in 10 feet at mean low water.
520	Lantern hung on an iron post.....	.....	1879	1887	.....	} Mark the dredged channel into Edenton Harbor.
521	Lantern hung on a mast.....	.....	1879	1887	.....	
522	White square screw-pile structure; piles, brown; lantern, black; shingle roof, brown.	.....	1866	1887	Bell struck by machinery every 15 sec.	Stands in 7½ feet at mean low water.
523	White square screw-pile structure, with green shutters; piles and roof, brown; lantern, black. Fog bell on W. side of roof.	.....	1860	1887	Bell struck by machinery every 15 sec.	Stands in 8 feet at mean low water. Guide into Croatan Sound, N. C., N. point of Roanoke Island, E. ½ S. 3¼ miles; North River Light, N. by W. ½ W., 13¼ miles; Wade Point Light, N.W. by N., 16½ miles. The northerly edge of the red sector is tangent to the northerly part of Roanoke Island, and its southwesterly edge passes to the southwestward of Falker Island Obstructions Buoy No. 1. The eastern edge of the red sector of the Roanoke Marshes Light and the southwesterly edge of the red sector of the Croatan Light intersect at Buoy No. 1. Vessels going north will keep in the white light to the eastward of the red sector of Roanoke Marshes Light until they run into the red sector of the Croatan Light, which they will keep until they have crossed the red sector of the Roanoke Marshes Light, running thence on the southwesterly edge of the red sector of Croatan Light until the light-house is passed.
524	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1857	1877	Bell struck by machinery every 12 sec.	Stands in 13 feet at mean low water. The red sector covers Falker Island Obstructions Buoy No. 1.
525	White square screw-pile structure; shingle roof, dark red; piles, brown; lantern, black.	.....	1867	.....	Bell struck by machinery at alternate intervals of 5 and 30 sec.	Stands in 9 feet at mean low water.
526	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1874	.....	Bell struck by machinery every 8 sec.	Stands in 7 feet at mean low water. Fort Clark, S. ½ E., about 5 miles; Cape Hatteras Light, E. ½ S., 11 miles.
527	White hexagonal screw-pile structure; piles and roof, brown; blinds, green; lantern, black.	.....	1891	.....	Bell struck by machinery, a double blow every 15 sec.	Stands in 9½ feet at mean low water.
528	Tower and dwelling, white; lantern, black.	65	1828	.....	.....	.....
529	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1867	1887	.....	Stands in 6 feet at mean low water.
530	White hexagonal screw-pile structure; piles and roof, brown; roof of lantern, black.	.....	1857	1882	Bell struck by machinery every 15 sec.	Stands in 9 feet at mean low water.
531	White square screw-pile structure, with green shutters; piles and roof, brown; lantern, black.	.....	1867	1888	Bell struck by machinery every 10 sec.	Stands in 6 feet at mean low water. Guide into Core Sound.
532	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1863	1877	Bell struck by machinery every 20 sec.	Stands in 7 feet at mean low water.

* Discontinued 1880; relighted 1887.

† Discontinued 1880; relighted 1888.

FIFTH DISTRICT.

NORTH CAROLINA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
532	Pamlico Point	On E. point of shoal making out from Pamlico Point, S. side of river, N. C.	35 18 (40) 76 27 (03)	Fixed white	4	43½	11½
533	McWilliams Point Shoal	On S. part of Middle Ground, off McWilliams Point, Pamlico River, N. C.		Fixed white	Tub'lar lantern.	10	-----
534	Neuse River	On point of shoal making out from Piney Point, W. side of entrance to Neuse River, N. C.	35 05 20 76 32 56	Fixed white	5	35	11½

SIXTH DISTRICT.

NORTH CAROLINA.

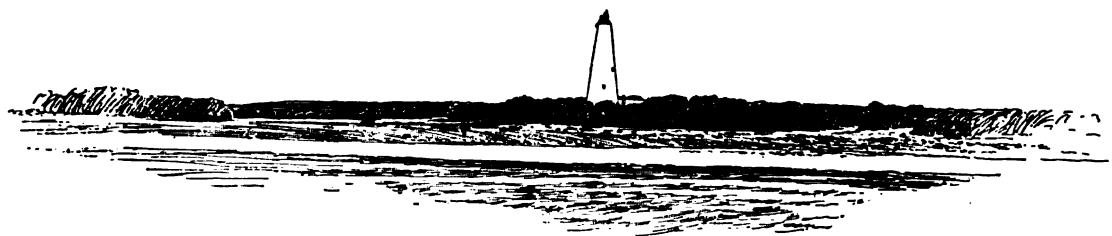
535	<i>Frying-Pan Shoals Light-Vessel, No. 53.</i>	Off Frying-Pan Shoals, making off to the southward and eastward from Cape Fear, N. C., about 2½ miles to the southward of the outer 18-foot shoal.	33 34 (26) 77 49 (12)	Two fixed white	Ref're	37½ 37½	11½
536	CAPE FEAR	On Bald Head, northwesterly end of Smith Island, entrance to Cape Fear River, N. C.	33 52 24 77 59 54	Flashing white every 30 sec. (After March 8, 1893.)	4	99	15½
537	Range. { Oak Island (front)	On Oak Island, mouth of Cape Fear River, N. C.	33 53 (27) 78 01 (40)	Fixed red	6	22	7½
538			33 53 32 78 01 39	Fixed red	4	42	11½
539	Range. { New Channel (front) Post-Light.	On westerly side of Smith Island, E. side of mouth of river, N. C.	33 52 (34) 77 59 (59)	Fixed white	Tub'lar lantern.	10	-----
540			33 52 (47) 77 59 (84)	Fixed white	Tub'lar lantern.	16	-----
541	Range. { Smith Island (front) Post-Light.	On Smith Island, E. side of river, N. C.	33 53 (04) 77 59 (30)	Fixed red	Lens lantern.	15	-----
542			33 53 (15) 77 59 (14)	Fixed red	Lens lantern.	28	-----
543	Battery Island Post-Light, No. 3.	Off Battery Island, E. side of channel, N. C.		Fixed red	Tub'lar lantern.		-----
544	Lower Swash Channel Post-Light, No. 4.	Opposite mouth of Price Creek, E. side of river channel, N. C.		Fixed red	Tub'lar lantern.		-----
545	Range. { Snow Marsh Channel (front) Post-Light.	Two thousand six hundred feet apart, on northeasterly prolongation of axis of dredged channel through Horseshoe Shoal, N. C.	33 57 (47) 77 56 (44)	Fixed white	Tub'lar lantern.	10	-----
546			33 58 (06) 77 56 (21)	Fixed white	Tub'lar lantern.	15	-----
547	Range. { Reeves Point Channel (front) Post-Light.	Two thousand six hundred feet apart, on northerly prolongation of axis of Reeves Point Channel, N. C.	33 59 (31) 77 56 (46)	Fixed red	Tub'lar lantern.	10	-----
548			33 59 (58) 77 56 (46)	Fixed red	Tub'lar lantern.	15	-----
549	Upper Drum Shoal Post-Light, No. 7.	About 3 miles below Old Brunswick, E. side of channel, N. C.		Fixed red	Tub'lar lantern.		-----

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Frying-Pan Shoals Light Vessel. N.C.



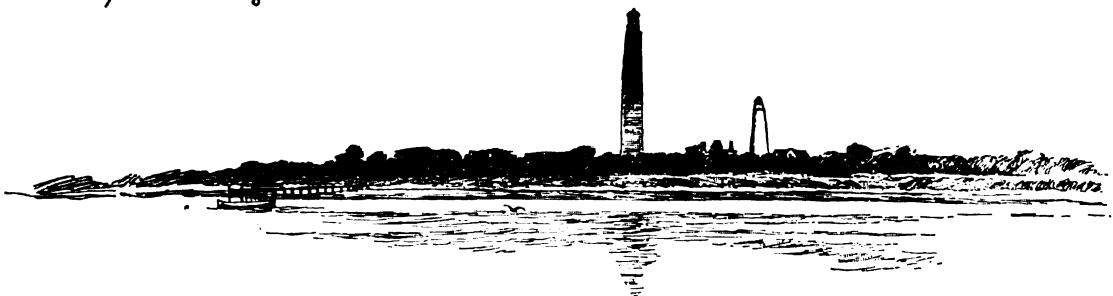
Cape Fear Light Station N.C.



Georgetown Light Station S.C.



Cape Romain Light Station S.C.



Art Pub Co.



NORTH CAROLINA.

FIFTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
532	White hexagonal screw-pile structure; piles and roof, brown; blinds, green; lantern, black.	.....	1891	.....	Bell struck by machinery every 10 sec.	Stands in 11 feet at mean low water.
533	Red pile .....	.....	1892	.....	.....	Stands in 8 feet at mean low water.
534	White square screw-pile structure; piles and roof, brown; lantern, black.	.....	1862	.....	Bell struck by machinery every 15 sec.	Stands in 5 feet at mean low water.

NORTH CAROLINA.

SIXTH DISTRICT.

535	Two masts, schooner-rigged, no bowsprit; mastheads black, with a black circular iron cagework day-mark at each. Hull, yellow, with the words "FRYING-PAN SHOALS" in large black letters on each side and "53" in large black figures on each quarter. A black smokestack and fog signal between the masts.		1854	1892	12-inch steam whistle; blast 5 sec., alternate silent intervals 10 and 40 sec. If whistle be disabled a bell will be rung by hand.	Moored in 10 fathoms of water. About $9\frac{1}{2}$ miles ESE. $\frac{1}{2}$ E. from the light-vessel there is a 5-fathom shoal on which the sea breaks in SE. gales. The soundings, in approaching the shoals off Cape Fear from the eastward, are regular, but from westward irregular. Masters of vessels of heavy draft, in passing these dangerous shoals, should be careful to get frequent casts of the lead and never run into less than 10 fathoms of water, if in a steamer, and 15 to 16 fathoms in a sailing vessel. Whistle sounds thus: <table><tr><th>Blast,</th><th>Silent interval,</th><th>Blast,</th><th>Silent interval,</th></tr><tr><td>5 sec.</td><td>10 sec.</td><td>5 sec.</td><td>40 sec.</td></tr></table>	Blast,	Silent interval,	Blast,	Silent interval,	5 sec.	10 sec.	5 sec.	40 sec.
Blast,	Silent interval,	Blast,	Silent interval,											
5 sec.	10 sec.	5 sec.	40 sec.											
536	White pyramidal tower.....	96	1818		This light, as a rear light, forms a range with the front light of the New Channel Range for running (NNW. $\frac{1}{2}$ W.) from the Smith Island Range to an anchorage near Southport.									
537	White square pyramidal skeleton structure.	20	1849	1866	To guide to Cape Fear River Entrance Bell Buoy at the intersection of this range with the New Channel Range.									
538	White square pyramidal skeleton structure, standing on square foundation 12 feet high. Light-brown dwelling a little southeastward of the line of the beacons.	40	1849	1879	There is a life-saving station 1,200 feet to the eastward of this station.									
539	Post supporting lantern.....		1889		To guide from the Entrance Bell Buoy through the New Channel across Cape Fear River Bar to the Smith Island Range. The front light of this range with Cape Fear Light forms a range for running (NNW. $\frac{1}{2}$ W.) from the Smith Island Range to an anchorage near Southport.									
540	Post supporting lantern.....		1889											
541	Triangular pile structure, surmounted by lantern deck and railing.		1885		This range guides through the channel in Cape Fear River from the New Channel Range to the range formed by the front light of the New Channel Range and the Cape Fear Light.									
542	Square pile structure, surmounted by lantern deck and railing.		1885											
543	Triangular pile structure, with number and square red day-mark.		1885											
544	Triangular pile structure, with number and square red day-mark.		1885											
545	Black three-pile structure, with red day-mark 7 feet square.		1890											
546	Black three-pile structure, with red day-mark 7 feet square.		1890											
547	Black three-pile structure, with white day-mark 7 feet square.		1890											
548	Black three-pile structure, with white day-mark 7 feet square.		1890											
549	Triangular pile structure, with number and square red day-mark.		1885											

SIXTH DISTRICT. NORTH CAROLINA AND SOUTH CAROLINA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
550	Old Brunswick Post-Light, No. 8.	On the point, W. side of channel, N. C.	33 13 (21) 79 10 (55)	Fixed white	Tub'lar lantern		
551	Orton Point Post-Light, No. 9.	On the point, W. side of channel, N. C.		Fixed white	Tub'lar lantern		
552	Lilliput Post-Light, No. 10.	About 2½ miles above Orton Point, E. side of channel, N. C.		Fixed red.	Tub'lar lantern		
553	Campbell Island Post-Light, No. 11.	Off N. end of island, W. side of channel, N. C.		Fixed white	Tub'lar lantern		
554	First Western Jetty Post-Light, No. 12.	On end of jetty, W. side of channel, N. C.		Fixed white	Tub'lar lantern		
555	Second Eastern Jetty Post-Light, No. 13.	On end of jetty, E. side of channel, N. C.		Fixed red.	Tub'lar lantern		
556	Third Western Jetty Post-Light, No. 14.	On end of jetty, W. side of channel, N. C.		Fixed white	Tub'lar lantern		
557	Fourth Eastern Jetty Post-Light, No. 15.	On end of jetty, E. side of channel, N. C.		Fixed red.	Tub'lar lantern		
558	Hospital Point Post-Light, No. 16.	Off the point, E. side of channel, N. C.		Fixed red.	Tub'lar lantern		
559	GEORGETOWN	On S. side of North Island, E. side of entrance to Pedee River and to harbor of Georgetown, S. C.	33 13 (21) 79 10 (55)	Fixed white	4	85	15
560	Sampit River	Near Fort Point, at junction of Sampit and Pedee Rivers, entrance to Georgetown, S. C.	33 21 (09) 79 16 (22)	Fixed red.	Tub'lar lantern	22	
561	CAPE ROMAIN	On Raccoon Key, about 6 miles from extremity of shoals off cape, and 10 miles S.W. of entrance to Santee River, S. C.	33 01 (06) 79 22 (19)	Flashing white every minute.	1	154	18½
562	Bull Bay Pierhead	On Bull Bay Oyster Company's Wharf, Bull Bay, S. C.	33 00 (13) 79 32 (52)	Fixed white.	Tub'lar lantern	10	
563	BULL BAY.	North end of Bull Island, 25 miles N.E. of Charleston, S. C.	32 55 20 79 33 49	Fixed white	4	44	12
564	Rattlesnake Shoal Light-Vessel, No. 29.	Off Rattlesnake Shoal, northeasterly of the entrance to Charleston Harbor, S. C.	32 44 (00) 79 43 (40)	Two fixed white	Red'n	{ 40 } { 40 }	11½
565	CHARLESTON (rear light for Morris Island North and South Ranges).	On S. end of Morris Island, S. C.	32 41 43 79 52 54	Fixed white	1	155	18½
566	Morris Island South (front)	On S. end of Morris Island, S. C., about 1,820 feet SSE. ½ E., in front of the preceding.	32 41 27 79 52 42	Fixed red.	5	19	8½
567	Morris Island North (front)	On S. end of Morris Island, S. C., about 2,125 feet SE. ½ E., in front of Charleston Light.	32 41 31 79 52 35	Fixed white	Tub'lar lantern	17	
568	Sullivans Island West (front).	On Sullivan's Island, about 360 feet southeasterly from SE. angle of Fort Moultrie, S. C.	32 45 31 79 51 18	Fixed red.	6	26	7½
569	Sullivans Island East (front).	On Sullivan's Island, about 190 feet eastward of front beacon of West Range, S. C.	32 45 31 79 51 16	Fixed white	Len- lantern	33	
570	Sullivans Island (rear for West and East Ranges).	On Sullivan's Island, about 1,300 feet to northward of front beacons, S. C.	32 45 44 79 51 18	Fixed red.	4	57	11½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

NORTH CAROLINA AND SOUTH CAROLINA. SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
550	Triangular pile structure, with number and square white day-mark.		1885			
551	Triangular pile structure, with number and square white day-mark.		1885			
552	Triangular pile structure, with number and square red day-mark.		1885			
553	Triangular pile structure, with number and square white day-mark.		1885			
554	Triangular pile structure, with number and square white day-mark.		1885			
555	Triangular pile structure, with number and square red day-mark.		1885			
556	Triangular pile structure, with number and square white day-mark.		1885			
557	Triangular pile structure, with number and square red day-mark.		1885			
558	Triangular pile structure, with number and square red day-mark.		1885			
559	White tower and dwelling.	82	1801	1867		On most prominent point seaward, on a bald sea-beach.
560	Light exhibited above the roof of small lantern room, on pile foundation, all white.	27	1881			Stands in 5 feet of water. Should be seen as soon as Frazier Point is opened.
561	Tower, red; cornice of lantern, white; dome and balustrade, black. Old tower near by, white.	150	1827	1866		Cape Romain about 1½ miles distant. Raccoon Key low and sandy, with low growth of baywood.
562	Post on wharf.		1869			Harbor light, to guide only in the Inland Passage across Bull Bay. The light is visible from about N. ½ E. through westward to about W. ½ S.
563	White lantern with black top on white dwelling; background of woods.	35	1852			
564	Two masts; schooner-rigged; black oval day-mark at each masthead. Hull, white; masts, yellow; top-masts, black. The words "RATTLESNAKE SHOAL" on each side in large black letters, and "NO. 29" on each quarter.		1854		Bell or horn.	Moored in 5½ fathoms of water. East end of Rattlesnake Shoal, N. ½ E.; Morris Island South Range (front), WSW. ½ W.; Fort Sumter, WNW. ½ W.
565	Conical tower, colored with alternate black and white bands, three of each color, commencing with black at the top. White dwelling, 80 feet to southward.	150	1767	1876		Rattlesnake Shoal Light-Vessel, ENE. ½ E., 8½ miles.
566	Pyramidal red tower.	15	1837	1870		Cross Charleston Bar on either Morris Island South Range (Main Channel—rear light white, front light red) or Morris Island North Range (New Pumpkin Hill Channel—two white lights). Then take up the Sullivan's Island West Range (two red lights) to the intersection with the range formed by the two front lights of the Morris Island North and South Ranges (front light white, rear light red), which follow to the intersection with the Sullivan's Island East Range (front light white, rear light red). Follow the latter range, through the opening in the stone jetty across the Main Ship-Channel, until Fort Sumter and Fort Ripley Shoal Lights are in range or opened slightly to the southward. Then proceed by compass course NW. ½ W. to the intersection with the range formed by the two front lights of the Sullivan's Island West and East Ranges (front light red, rear light white). The latter range guides past Fort Ripley Shoal Light to anchorage off East Battery, Charleston.
567	Black stake with inclined ladder.	12	1888			
568	Red structure.		1848	1872		
569	Square black pyramidal skeleton structure.		1888			
570	Square white pyramidal skeleton structure.	55	1848	1872		

SIXTH DISTRICT.

SOUTH CAROLINA AND GEORGIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
571	Fort Sumter	On NW. face of Fort Sumter, S. C.	32 45 06 79 52 19	Fixed white	5	51	12½
572	Fort Ripley Shoal (Middle Ground)	On Middle Ground between South Channel and Folly Island Channel, S. C.	32 45 52 79 54 07	Fixed red	5	44	8½
573	Castle Pinckney Pierhead	On SE. end of wharf at Castle Pinckney, S. C.	32 46 (32) 79 54 (37)	Fixed red	Tub'lar lantern	22	.....
574	Sullivan's Island Cove Pierhead	On S. end of Sea View Railroad Bridge, N. side of channel, S. C.	32 45 (53) 79 51 (36)	Fixed red	Tub'lar lantern	18	.....
575	HUNTING ISLAND	On Hunting Island, about 1½ miles from its N. end, S. side of entrance to St. Helena Sound, S. C.	32 22 (34) 80 26 (14)	Flashing white every 30 sec.	2	133	17½
576	Martins Industry Light Vessel No. 1.	In 52 feet of water, off Port Royal entrance, outside of Martins Industry Shoal, S. C., about 15 miles eastward of Tybee Light, Ga.	32 05 (33) 80 33 (15)	Two fixed white	Ref'r's	{ 44 46 }	12
577	Range. { Hilton Head (front)	Near the SE. shore of Hilton Head Island, S. C.	32 09 (40) 80 43 (06)	Fixed white	4	32	10½
578	Range. { Hilton Head (rear)	About 1 mile W. by N., in rear of the preceding.	32 09 (52) 80 44 (22)	Fixed red	Ref'r	92	15½
579	Range. { Paris Island (front)	On southerly point of Paris Island, S. C.	32 17 (50) 80 40 (08)	Fixed white	Ref'r	45	12
580	Range. { Paris Island (rear)	About 1½ miles NNW. ½ W., in rear of the preceding.	32 18 (51) 80 40 (44)	Fixed white	Ref'r	123	16
581	Range. { Daufuskie Island (front)	Near shore, on NE. point of Daufuskie Island, S. C.	32 08 (21) 80 49 (50)	Fixed white	Lens lantern	18	.....
582	Range. { Daufuskie Island (rear)	Near NE. point of Daufuskie Island, S. C., 750 yards to northward of front light.	32 08 (42) 80 49 (52)	Fixed white	5	61	12½
583	Range. { Bloody Point (front)	On southerly end of SE. shore of Daufuskie Island, S. C.	32 05 (18) 80 51 (55)	Fixed red	Ref'r	19	9½
584	Range. { Bloody Point (rear)	About ½ mile NW. ½ N., in rear of the preceding.	32 05 (50) 80 52 (20)	Fixed red	Ref'r	81	14½
585	Range. { TYBEE	On NE. end of Tybee Island, Ga., S. side of entrance to Savannah River.	32 01 20 80 50 37	Fixed white	1	144	18
586	Range. { Tybee Beacon	Near NE. point of Tybee Island, Ga., about ¼ mile ESE. ¼ E. in front of the preceding.	32 01 (17) 80 50 (10)	Fixed white	4	28	10½
587	Cockspur Island	On knoll connected with eastern end of Cockspur Island, Ga.	32 01 21 80 52 40	Fixed white	6	22	9½
588	Oyster Beds	On Oyster Beds, Ga., to mark S. channel.	32 02 20 80 53 33	Fixed red	6	32	7½
589	Range. { Tybee Knoll Cut (front)	Near easterly end of Long Island, Ga.	32 01 (57) 80 54 (20)	Fixed white	6	24	10
590	Range. { Tybee Knoll Cut (rear)	About 2,150 feet W. ½ S. in rear of the preceding.	32 01 (57) 80 54 (44)	Fixed white	6	47	11½
591	Long Island East Beacon	On E. end of Long Island, Ga.	32 02 (07) 80 54 (55)	Fixed red	Tub'lar lantern.	40	.....

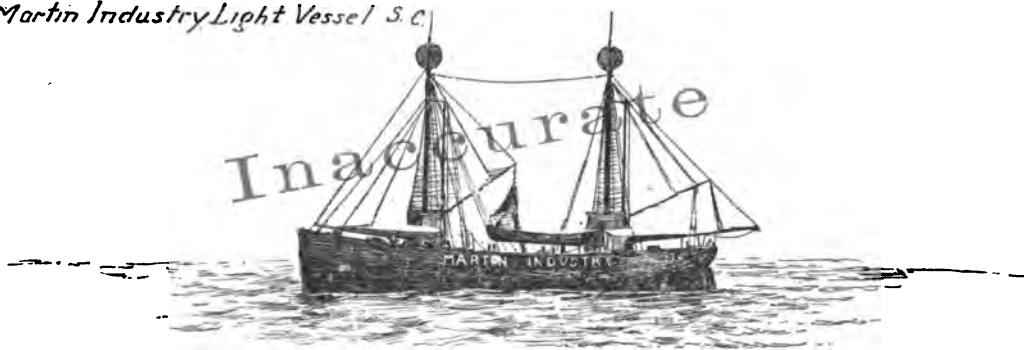
NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Charleston (Morris Island) Light Station S.C.

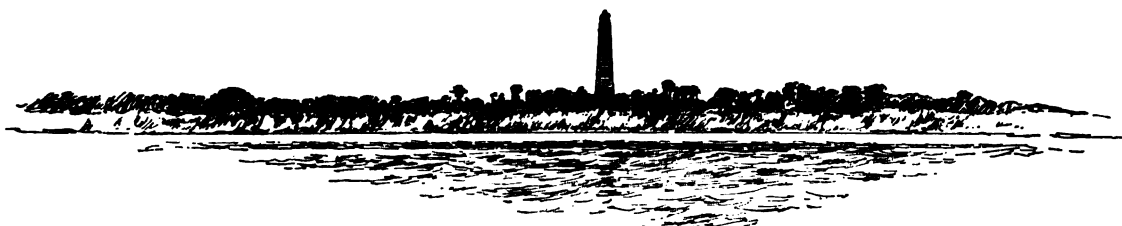


Martin Industry Light Vessel S.C.

Inaccurate



Tybee Light Station Ga



St Johns River Light Station Fla





SOUTH CAROLINA AND GEORGIA.

SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
571	White framework structure, with skeleton fog-bell tower close by.	25	1855	1866	Bell struck by machinery, a double blow every 15 sec.	Guide into Charleston Harbor.
572	White hexagonal screw-pile structure; piles, brown; lantern, yellow.	.....	1878	.....	Bell struck by machinery every 10 sec.	Stands in 8 feet of water. Fort Sumter, ESE., 1½ miles.
573	Post on wharf	12	1880	.....	.....	.....
574	Post on incomplete railroad bridge .....	.....	1880	.....	.....	Guide in the Inland Passage, N. of Sullivan's Island, into Hog Island Channel.
575	Conical tower, lower part white, upper part black.	121	1859	1880	.....	.....
576	Two masts, schooner-rigged; mast-heads, black, with a black hoop-iron cagework day-mark at each. Hull, red, with "MARTINS INDUSTRY" on each side in large white letters and "No. 1" on each quarter. A black smokestack and the fog signal are between the masts.	.....	1855	1892	12-inch steam whistle; blasts, 6 sec.; silent interval, 54 sec. If whistle be disabled a bell will be rung by hand.	Guide into Port Royal Harbor and along the coast clear of danger to Tybee entrance. Whistle sounds thus: Blast, 6 sec. Silent interval, 54 sec. Blast, 6 sec. Silent interval, 54 sec.
577	White pyramidal beacon, 25 feet to southward of white dwelling.	31	1881	.....	.....	} Mark the range for the entrance to Port Royal Harbor. To cross the bar follow the range until the Paris Island Beacons are in range, then follow the latter range until Bay Point bears from ESE. to SE., when anchor in about 6 fathoms of water.
578	White skeleton tower	89	1881	.....	.....	
579	Lantern on white skeleton pyramid ..	45	1881	.....	.....	} To enter the harbor follow this range from its intersection with the Hilton Head Range until Bay Point bears from ESE. to SE., when anchor in about 6 fathoms of water.
580	Triangular skeleton pyramid, covered with black slats for 40 feet from top, white below.	120	1881	.....	.....	
581	Tower, white; lantern, red	15	1873	.....	.....	} Guide into Calibogue Sound from Tybee Roads.
582	Red lantern on white dwelling	49	1873	.....	.....	
583	Light shown from window in roof of white dwelling.	20	1883	.....	.....	} Range, secondary to Tybee Range, to guide in crossing Savannah River Bar. Follow the Tybee Range on a WNW. ½ W. course until these lights are in range, follow this range (NW. ½ N.) until Tybee Light bears W. ½ N., at which point the Venus Point Lights are brought in range. Distance between lights, ½ mile.
584	Triangular skeleton tower, white for 50 feet from base and red above to top.	81	1883	.....	.....	
585	Octagonal brick tower; lower 50 feet black, upper part white; lantern, black.	134	1793	1867	.....	Guide to entrance to Savannah River. There is a signal-display station about 800 feet NNE. of the light-house, and an old Martello tower used as a private signal station.
586	Skeleton tower, with seaward side inclosed, painted white.	.....	1822	1877	.....	Serves as range, with main light, for crossing the bar.
587	Conical white tower	20	1849	1866	.....	Guide into the channel S. of Cockspur Island.
588	White pyramidal tower; top of lantern, black.	30	1849	1866	.....	Opposite to Cockspur Island.
589	Lantern on white dwelling .....	.....	1878	.....	.....	} Guide through dredged channel from Tybee Roads into Savannah River.
590	White skeleton tower	46	1878	1882	.....	
591	Brown triangular skeleton tower .....	.....	1884	.....	.....	Guide across the river from the Elba Island Range, after passing Oyster Beds Light.

SIXTH DISTRICT.

SOUTH CAROLINA AND GEORGIA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
592	Wing Dam No. 28 Post-Light.	On channel end of wing dam, near upper end of Long Island, Ga.	° ' "	Fixed white	Tub'lar lantern.	8	
593	Range { Venus Point (front)	Near SE. point of Jones Island, S. C.	32 03 (25) 80 55 (33)	Fixed white	Ref'r.	26	
594		On S. side of Jones Island, S. C., about 1 mile WNW. $\frac{1}{2}$ W., in rear of the preceding.	32 03 (47) 80 56 (40)	Fixed white	Ref'r.	83	
595	Jones Island	On W. end of Jones Island, S. C.	32 04 (25) 80 57 (32)	Fixed red	Tub'lar lantern.	40	
596	Wing Dam No. 13 Post-Light.	On channel end of wing dam below Elba Island, Ga., nearly opposite Jones Island Light.		Fixed white	Tub'lar lantern.	8	
597	Range { Elba Island (front)	Near E. end of Elba Island, Ga.	32 04 (23) 80 58 (28)	Fixed red	Ref'r.	33	
598		About $\frac{1}{2}$ mile NW. by W. $\frac{1}{2}$ W. in rear of the preceding.	32 04 (35) 80 58 (56)	Fixed red	Ref'r.	60	
599	Wing Dam No. 10 Post-Light.	On channel end of wing dam making out from Elba Island, above Elba Island Range rear light, Ga.		Fixed white	Tub'lar lantern.	8	
600	Wing Dam No. 25 Post-Light.	On channel end of wing dam making out from South Carolina shore, below lower end of Spirit Island.		Fixed white	Tub'lar lantern.	8	
601	Wing Dam No. 4 Post-Light.	On channel end of wing dam making out from lower end of Spirit Island, Ga.		Fixed white	Tub'lar lantern.	8	
602	Barnwell Place Post-Light ...	On South Carolina shore, opposite Spirit Island.	32 05 (56) 80 59 (47)	Fixed red	Tub'lar lantern	40	
603	Mackey Point Post-Light	Between Mackey Point and NW. end of Elba Island, Ga.	32 05 (26) 81 01 (06)	Fixed white	Tub'lar lantern.	8	
604	Range { Fort Jackson (front)	On Georgia shore, about $\frac{1}{2}$ mile below Fort Jackson.	32 05 (12) 81 01 (22)	Fixed red	Tub'lar lantern.	30	
605		About $\frac{1}{2}$ mile SSW. $\frac{1}{2}$ W. in rear of the preceding.	32 05 (06) 81 01 (27)	Fixed red	Tub'lar lantern.	40	
606	Range { Fig Island (front)	In about 5 feet at mean low water, near S. shore of Fig Island, Ga.	32 04 (48) 81 03 (50)	Fixed red	Ref'r.	23	
607		In cupola of Exchange Building, Savannah, Ga., about $1\frac{1}{2}$ miles W. of the preceding.	32 04 (50) 81 05 (21)	Fixed red	Ref'r.	123	
608	Range { SAPELO	On S. end of Sapelo Island, Ga., N. side of entrance to Doboy Sound.	31 23 (28) 81 17 (01)	Fixed white, varied by a white flash every 45 sec.		4	74
609		About 650 feet SE. $\frac{1}{2}$ E., in front of the preceding.	31 23 (24) 81 16 (55)	Fixed white	Ref'r.	22	82
610	Range { Wolf Island (front)	Near N. end of Wolf Island, Ga., about 500 feet ESE. $\frac{1}{2}$ E. in front of the preceding.	31 21 03 81 16 34	Fixed white	Ref'r.	30	104
611		Near N. end of Wolf Island, Ga., S. side of entrance to Doboy Sound.	31 21 03 81 16 42	Fixed white		6	38
612	Range { St. SIMON	On S. end of St. Simon Island, Ga., and N. side of entrance to St. Simon Sound.	31 08 02 81 23 30	Fixed white, varied by flashes, alternately red and white; interval between flashes, 1 minute.		3	104
613							16
614	LITTLE CUMBERLAND ISLAND	South side of entrance to St. Andrew Sound and Satilla River, Ga.	30 58 (34) 81 24 (40)	Fixed white		3	71

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

SOUTH CAROLINA AND GEORGIA.

• SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
582	Cluster of three piles.....		1887			Marks channel end of first lighted wing dam.
583	Brown square skeleton tower.....		1884			} Guide between Bloody Point and Tybee Knoll Cut Ranges.
584	Brown triangular skeleton tower, with white dwelling in front.		1884			
585	Brown triangular skeleton tower.....		1884			Intended to show vessels where to cross the river to front beacon of Elba Island Range.
586	Cluster of three piles.....		1884			Marks channel end of second lighted wing dam.
587	Brown triangular skeleton tower, with white dwelling in rear.		1884			} Guide from Tybee Knoll Cut Range through channel S. of Oyster Beds Light.
588	Brown triangular skeleton tower.....		1884			
589	Cluster of three piles.....		1887			Marks channel end of third lighted wing dam.
600	Cluster of three piles.....		1884			Marks channel end of fourth lighted wing dam.
601	Cluster of three piles.....		1884	1888		Marks channel end of fifth lighted wing dam.
602	Brown triangular skeleton tower.....		1884			Guides across river from rear beacon of Elba Island Range.
603	Cluster of three white piles.....		1888			Marks obstructions at W. end of South Channel.
604	Brown, triangular skeleton tower.....		1884			} Guide past obstructions near NW. end of Elba Island.
605	Brown, triangular skeleton tower.....		1884			
606	Square white lantern room, on pile foundation.		1848	1880		} Guide through the "Wrecks" Channel; visible immediately after rounding Elba Island Point, and come into range about $\frac{1}{2}$ mile above Fort Jackson.
607	Brown tower of Exchange Building, Savannah.	90	1880			
608	Tower colored, with alternate red and white horizontal belts; lantern, black; dwelling, white.	70	1820	1868		} Forty-six miles from Tybee Light. Guide to entrance into Doboy Sound. At night the entrance should not be attempted by strangers without a pilot.
609	Brown beacon; lower part, on seaward side, closed and painted white.	20	1857	1868		
610	Brown open framework structure....	30	1822	1882		} Range for outer bar at southern entrance.
611	Lantern on white dwelling.....	38	1822	1868		
612	White conical tower, with black lantern, attached to a two-story brick dwelling with red roof.	100	1811	1872		Amelia Island Light, S. $\frac{1}{2}$ W., 28 miles; Tybee Light, NNE $\frac{1}{2}$ E., 60 miles. Shoals extend from a point near the light in a SSE. direction about $\frac{3}{4}$ miles.
613	.....					To be built.
614	White tower.....	61	1838	1867		Coast light and guide to St. Andrew Sound. Shoal extends from light in a SSE. direction about 6 miles.

SIXTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
615	Range. { Amelia Island (front)	On NE. part of Amelia Island, Fla., S. side of Fernandina entrance.	30 42 (10) 81 26 (08)	Fixed white	Tub'lar lantern.	16	
616	Range. { Amelia Island (rear)	On NE. part of Amelia Island, Fla., about 1,600 feet W. $\frac{1}{2}$ S. in rear of the preceding.	30 42 (09) 81 26 (26)	Fixed white	Tub'lar lantern.	30	
617	North range. { Tiger Island (front)	On northeasterly side of Tiger Island, Fla., about 150 feet from the shore line.	30 42 (38) 81 28 (50)	Fixed white	Tub'lar lantern.	12	
618	North range. { Tiger Island (rear)	On Tiger Island, Fla., about 1,300 feet W. $\frac{1}{2}$ N. in rear of the preceding.	30 42 (39) 81 29 (05)	Fixed white	Tub'lar lantern.	30	
619	South range. { Tiger Island (front)	On southeasterly part of Tiger Island, Fla., about 100 feet from the shore line.	30 41 (37) 81 28 (00)	Fixed red	Tub'lar lantern.	12	
620	South range. { Tiger Island (rear)	On Tiger Island, Fla., about 400 feet S. by W. $\frac{1}{2}$ W. in rear of the preceding.	30 41 (34) 81 28 (01)	Fixed red	Tub'lar lantern.	18	
621	AMELIA ISLAND	About 2 miles from N. end of Amelia Island, Fla., S. side of Fernandina entrance.	30 40 23 81 26 26	Flashing white every 90 sec.	3	107	16 $\frac{1}{2}$
622	ST. JOHNS RIVER	Near mouth of St. Johns River, S. side of entrance to Jacksonville, Fla.	30 23 36 81 25 27	Fixed white	3	77	14 $\frac{1}{2}$
623	Range. { Batton Island Shoal Post-Light, No. 2	On SE. point of Batton Island Shoal, Fla.		Fixed red	Tub'lar lantern.	10	
624	Range. { Great Marsh Island Shoal Post-Light, No. 1	On NW. point of shoal extending from Great Marsh Island, Fla.		Fixed white	Tub'lar lantern.	10	
625	Range. { Little Marsh Island Post-Light, No. 4	Off Little Marsh Island, N. side of channel, Fla.		Fixed red	Tub'lar lantern.		
626	Range. { Little Marsh Island Channel (front) Post-Light, No. 6	On edge of marsh, W. side of mouth of Clapboard Creek, Fla.		Fixed red	Tub'lar lantern.		
627	Range. { Little Marsh Island Channel (rear) Post-Light	On marsh, about 300 yards in a north-northwesterly direction from front light, Fla.		Fixed white	Tub'lar lantern.		
628	Browns Creek Post-Light, No. 3	South side of channel, above mouth of Browns Creek, Fla.		Fixed white	Tub'lar lantern.		
629	St. Johns River. { San Carlos Creek Post-Light, No. 8	On point of shoal off San Carlos Creek, Fla.		Fixed red	Tub'lar lantern.	10	
630	St. Johns River. { Lower Quarantine Shoal Post-Light, No. 10	On lower end of shoal, W. side of channel, Fla.		Fixed red	Tub'lar lantern.		
631	St. Johns River. { Middle Quarantine Shoal Post-Light, No. 12	Near the middle of Quarantine Shoal, opposite lower part of Radcliffe Island.		Fixed red	Tub'lar lantern.		
632	St. Johns River. { Radcliffe Island Post-Light, No. 16	On S. side of shoal, N. side of channel, Fla.		Fixed red	Tub'lar lantern.		
633	Dame Point (<i>see Remarks</i>)	About 11 miles from Jacksonville, and 500 yards in a southwesterly direction from Dame Point, Fla.	30 23 (00) 81 33 (16)	Fixed white	5	35	11
634	Dame Point Post-Light, No. 5	On SW. side of channel, opposite the light-house, $\frac{1}{2}$ mile distant from it, Fla.		Fixed white	Tub'lar lantern.		
635	Dame Point Middle Ground Post-Light, No. 18	On upper end of Middle Ground, above Dame Point Light, Fla.		Fixed red	Tub'lar lantern.		
636	Petty Bank Post-Light, No. 11	On N. side of Petty Bank, SW. side of channel, Fla.		Fixed white	Tub'lar lantern.		
637	Dunn Creek (lower) Post-Light, No. 20	On NE. side of channel, about $\frac{1}{2}$ mile below mouth of Dunn Creek, Fla.		Fixed red	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
615	Black wooden skeleton structure		1893			} Guide into Amelia and St. Marys Rivers. To be lighted February 14, 1893.
616	White wooden skeleton structure		1893			
617	White wooden skeleton structure		1893			} To be lighted February 14, 1893.
618	White wooden skeleton structure		1893			
619	White wooden skeleton structure		1893			} To be lighted February 14, 1893.
620	White wooden skeleton structure		1893			
621	White tower; lantern, black; dwelling detached.	59	1839	1881		
622	Red brick tower; lantern, black; dwelling, white.	74	1829	1859		
623	Cluster of three piles with red day-mark.		1891			In 6 feet at mean low water.
624	Cluster of three piles with black day-mark.		1888			
625	Cluster of three piles with red day-mark.		1884	1889		
626	Cluster of three piles with red day-mark.		1884			
627	Square white pyramidal skeleton structure.		1884			
628	Cluster of three piles with black day-mark.		1884	1889		
629	Cluster of three piles with red day-mark.		1888			
630	Cluster of three piles with red day-mark.		1884	1889		
631	Single pile with red day-mark		1893			To be lighted March 1, 1893.
632	Cluster of three piles with red day-mark.		1884	1889		
633	Square white screw-pile structure; piles, red.		1872			In 8 feet of water, mean tide. There is a channel on either side, one of which passes close under Dame Point, the other near the light-house on its SW. side, and they unite a short distance above it. The light can be seen as soon as it is opened by Reddie Point above and Mill Cove Point below. To be discontinued February 28, 1893.
634	Cluster of three piles with black day-mark.		1884			
635	Cluster of three piles with red day-mark.		1884	1889		
636	Cluster of three piles with black day-mark.		1884	1889		
637	Cluster of three piles with red day-mark.		1884	1889		

SIXTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north, Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
638	Dunn Creek Post-Light, No. 13.	On SW. side of channel, opposite mouth of Dunn Creek, Fla.	0 1 "	Fixed white	Tub'lar lantern.		
639	Cedar Creek Post-Light, No. 17	South side of channel, opposite mouth of Cedar Creek.		Fixed white	Tub'lar lantern.		
640	Drummond Creek Post-Light, No. 22.	Opposite W. side of Drummond Creek, NW. side of channel.		Fixed red	Tub'lar lantern.		
641	Trout Creek Post-Light, No. 24	Opposite E. side of Trout Creek, NW. side of channel.		Fixed red	Tub'lar lantern.		
642	Suarez Point Post-Light, No. 21.	East side of channel, about $\frac{1}{2}$ mile below the point.		Fixed white	Tub'lar lantern.		
643	Commodore Point Shoal Post-Light, No. 26.	West side of channel, on shoal off Commodore Point.		Fixed red	Tub'lar lantern.		
644	Grassy Point Post-Light, No. 23.	Off Grassy Point, on E. side of channel.		Two fixed white	Tub'lar lantern.		
645	Lancaster Point Post-Light, No. 30.	Off Lancaster Point, on W. side of channel.		Fixed red	Tub'lar lantern.		
646	Grassy Point Middle Ground (lower end) Post-Light, No. 32.	On upper end of Middle Ground, off Grassy Point, W. side of channel.		Fixed white, above fixed red.	Tub'lar lantern.		
647	Grassy Point Middle Ground Post-Light, No. 34.	On upper end of Middle Ground, above Grassy Point, W. side of channel.		Fixed red	Tub'lar lantern.		
648	Phillips Point Post-Light, No. 25.	Off Phillips Point, E. side of channel		Fixed white	Tub'lar lantern.		
649	Piney Point Post-Light, No. 36	On shoal off Piney Point, W. side of channel.		Fixed red	Tub'lar lantern.		
650	Buckley Bluff Post Light, No. 27.	On point of shoal off Buckley Bluff, E. side of channel.		Fixed white	Tub'lar lantern.		
651	Orange Park Post-Light, No. 38.	West side of channel, about $\frac{1}{2}$ mile above Orange Park Landing.		Fixed red	Tub'lar lantern.		
652	Ragged Point Post-Light, No. 40.	On point of shoal making out from Ragged Point.		Fixed red	Tub'lar lantern.		
653	Hibernia Post-Light, No. 44...	On point of shoal off Hibernia, W. side of channel.		Fixed red	Tub'lar lantern.		
654	Switzerland Point Post-Light, No. 31.	Off Switzerland Point, E. side of channel.		Fixed white	Tub'lar lantern.		
655	Popo Point Post-Light, No. 33	On point of shoal off Popo Point, NE. side of channel.		Fixed white	Tub'lar lantern.		
656	Magnolia Point Post-Light, No. 46.	On point of shoal off Magnolia Point, W. side of channel.		Fixed red	Tub'lar lantern.		
657	Green Cove Springs Post-Light, No. 50.	On N. side of entrance to Green Cove Springs, SW. side of channel.		Fixed red	Tub'lar lantern.		
658	Old Field Point Post-Light, No. 52.	On point of shoal off Old Field Point, SW. side of channel.		Fixed red	Tub'lar lantern.		
659	San Patricio Point Post-Light, No. 35.	On point of shoal off San Patricio Point, NW. side of channel.		Fixed white	Tub'lar lantern.		
660	Bayard Point Post-Light, No. 56.	On point of shoal off Bayard Point, W. side of channel.		Fixed red	Tub'lar lantern.		
661	Picolata Flat Post-Light, No. 37.	On W. point of Picolata Flat, E. side of channel.		Fixed white	Tub'lar lantern.		
662	Orange Point Post-Light, No. 39.	On point of shoal off Orange Point, E. side of channel.		Fixed white	Tub'lar lantern.		
663	Tocoi Post-Light, No. 41	South side of entrance to Tocoi Landing.		Fixed white	Tub'lar lantern.		
664	Racy Point Post-Light, No. 43.	Off Racy Point, on E. side of channel		Fixed white	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
638	Cluster of three piles with black day-mark.	.....	1884	1889	.....	
639	Black four-pile pyramidal structure, latticed from water to top.	.....	1884	.....	.....	
640	Cluster of three piles with red day-mark.	.....	1886	.....	.....	
641	Cluster of three piles with red day-mark.	.....	1884	1889	.....	
642	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
643	Cluster of three piles with red day-mark.	.....	1884	1889	.....	
644	Cluster of three piles with black day-mark.	.....	1884	1889	.....	Lights 3 feet apart horizontally.
645	Cluster of three piles with red day-mark.	.....	1891	.....	.....	
646	Cluster of three piles with red day-mark.	.....	1884	1889	.....	The red and white lights indicate that either channel may be used.
647	Triangular, with day-mark	.....	1892	.....	.....	
648	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
649	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
650	Cluster of three piles with black day-mark.	.....	1884	1889	.....	
651	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
652	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
653	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
654	Cluster of three piles with black day-mark.	.....	1889	.....	.....	
655	Cluster of three piles with black day-mark.	.....	1886	.....	.....	
656	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
657	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
658	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
659	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
660	Cluster of three piles with red day-mark.	.....	1884	.....	.....	
661	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
662	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
663	Cluster of three piles with black day-mark.	.....	1884	.....	.....	
664	Cluster of three piles with black day-mark.	.....	1884	.....	.....	

SIXTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
			O I "				
665	Nine-Mile Point Post-Light, No. 53.	On shoal off Nine-Mile Point, on W. side of channel.		Fixed red	Tub'lar lantern.		
666	Federal Point Post-Light, No. 45.	On Federal Point, E. side of channel		Fixed white	Tub'lar lantern.		
667	Nine-Mile Flat Post-Light, No. 60.	East side of Nine-Mile Flat, W. side of channel.		Fixed red	Tub'lar lantern.		
668	Dancey Point Post-Light, No. 49.	At Dancey Point, S. side of channel		Fixed white	Tub'lar lantern.		
669	Whetstone Point Post-Light, No. 66.	Off Whetstone Point, N. side of channel.		Fixed red	Tub'lar lantern.		
670	Dancey Flat Post-Light, No. 51.	On W. end of Dancey Flat, S. side of channel.		Fixed white	Tub'lar lantern.		
671	Forrester Point Post-Light, No. 53.	On point of shoal above Forrester Point, E. side of channel.		Fixed white	Tub'lar lantern.		
672	Lower Palatka Post-Light, No. 68.	On point of shoal off Palatka Point, W. side of channel.		Fixed red	Tub'lar lantern.		
673	Upper Palatka Post-Light, No. 70.	In bend of channel above Palatka, on SW. side.		Fixed red	Tub'lar lantern.		
674	Devils Elbow Post-Light, No. 72.	Above Devils Elbow, on S. side of chan- nel.		Fixed red	Tub'lar lantern.		
675	Rawlestown Post-Light, No. 74.	On shoal off Rawlestown, W. side of channel.		Fixed red	Tub'lar lantern.		
676	San Mateo Post-Light, No. 76.	Off San Mateo, W. side of channel		Fixed red	Tub'lar lantern.		
677	Edgewater Grove Post-Light, No. 55.	Off Edgewater Grove, E. side of chan- nel.		Fixed white	Tub'lar lantern.		
678	Crescent Lake Post-Light, No. 78.	Off entrance to Dunn or Crescent Lake, W. side of channel.		Fixed red	Tub'lar lantern.		
679	Horseshoe Post-Light, No. 80	In the Horseshoe, W. side of channel		Fixed red	Tub'lar lantern.		
680	Murphy Island Post-Light, No. 57.	On shoal off Murphy Island, E. side of channel.		Fixed white	Tub'lar lantern.		
681	Murphy Island South Post- Light, No. 59.	At Murphy Island, E. side of channel		Fixed white	Tub'lar lantern.		
682	Buckalew Bluff Post-Light, No. 82.	On shoal opposite Buckalew Bluff, W. side of channel.		Fixed red	Tub'lar lantern.		
683	Rose Creek Post-Light, No. 61.	On shoal off Rose Creek, E. side of chan- nel.		Fixed white	Tub'lar lantern.		
684	Horse Landing Post-Light, No. 63.	On shoal opposite Horse Landing, E. side of channel.		Fixed white	Tub'lar lantern.		
685	Nashua Post Light, No. 84	On shoal off Welaka Springs, W. side of channel.		Fixed red	Tub'lar lantern.		
686	Ocklawaha Post-Light, No. 86.	On shoal off mouth of Ocklawaha River, W. side of channel.		Fixed red	Tub'lar lantern.		
687	Beecher Point Shoal Post- Light, No. 88.	At lower end of Little Lake George		Fixed red	Tub'lar lantern.	12	
688	Orange Point Shoal Post- Light, No. 65.	Middle of Little Lake George		Fixed white	Tub'lar lantern.	12	
89	Norwalk Point Shoal Post- Light, No. 67.	Upper end of Little Lake George		Fixed white	Tub'lar lantern.	12	
690	Norwalk Post-Light, No. 90	On shoal off Norwalk, W. side of chan- nel.		Fixed red	Tub'lar lantern.		
691	Mount Royal Post-Light, No. 92.	On shoal off Mount Royal, W. side of channel.		Fixed red	Tub'lar lantern.		
692	Fort Gates Post-Light, No. 69.	On shoal opposite Fort Gates, E. side of channel.		Fixed white	Tub'lar lantern.		

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
655	Cluster of three piles with red day-mark.	.....	1884	.....	.....	.....
656	Cluster of three piles with black day-mark.	.....	1884	.....	.....	.....
657	Cluster of three piles with red day-mark.	.....	1891	.....	.....	.....
658	Cluster of three piles with black day-mark.	.....	1884	.....	.....	.....
659	Cluster of three piles with black day-mark.	.....	1885	.....	.....	.....
670	Cluster of three piles with black day-mark.	.....	1884	.....	.....	.....
671	Cluster of three piles with black day-mark.	.....	1884	.....	.....	.....
672	Cluster of three piles with red day-mark.	.....	1884	.....	.....	.....
673	Cluster of three piles with red day-mark.	.....	1884	.....	.....	.....
674	Cluster of three piles with red day-mark.	.....	1884	.....	.....	.....
675	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
676	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
677	Cluster of three piles with black day-mark.	.....	1891	.....	.....	.....
678	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
679	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
680	Cluster of three piles with black day-mark.	.....	1889	.....	.....	.....
681	Cluster of three piles with black day-mark.	.....	1891	.....	.....	.....
682	Cluster of three piles with red day-mark.	.....	1891	.....	.....	.....
683	Cluster of three piles with black day-mark.	.....	1889	.....	.....	.....
684	Cluster of three piles with black day-mark.	.....	1891	.....	.....	.....
685	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
686	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
687	Cluster of three piles with red day-mark.	.....	1888	.....	.....	.....
688	Cluster of three piles with black day-mark.	.....	1888	.....	.....	.....
689	Cluster of three piles with black day-mark.	.....	1888	.....	.....	.....
690	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
691	Cluster of three piles with red day-mark.	.....	1889	.....	.....	.....
692	Cluster of three piles with black day-mark.	.....	1891	.....	.....	.....

SIXTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
693	Black Point Post-Light, No. 94.	On shoal off Black Point, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
694	Georgetown Post-Light, No. 96.	On shoal off Georgetown, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
695	North end of Lake George Post-Light, No. 98.	Off NE. side of Drayton Island, on edge of channel in Lake George.	.....	Fixed white.....	Lens lantern.	40	.....
696	Volusia Bar.....	On Volusia Bar, S. end of Lake George..	.....	Fixed white.....	.....	5 34	11
697	Range. { Volusia Bar (front) Post-Light, No. 100.	About 650 feet apart, on southerly prolongation of axis of channel across Volusia Bar. {	.....	Fixed red.....	Tub'lar lantern.	.....	.....
698			.....	Fixed red.....	Tub'lar lantern.	.....	.....
699	Volusia Point Shoal Post-Light, No. 71.	On point of shoal above Volusia Bar, E. side of channel.	.....	Fixed white.....	Tub'lar lantern.	12	.....
700	Volusia South Post-Light, No. 73.	On shoal near S. entrance to Lake George, E. side of channel.	.....	Fixed white.....	Tub'lar lantern.	.....	.....
701	Orange Bluff Post-Light, No. 104.	On shoal off Orange Bluff, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	.....	.....
702	Orange Bluff Shoal Post-Light, No. 75.	On point of shoal above Orange Bluff, E. side of channel.	.....	Fixed white.....	Tub'lar lantern.	12	.....
703	Lake Dexter Post-Light, No. 106.	At entrance to Lake Dexter, W. side of channel.	.....	Fixed red.....	Tub'lar lantern.	12	.....
704	Mud Lake Point Post-Light, No. 77.	Opposite entrance to Mud Lake.....	.....	Fixed white.....	Tub'lar lantern.	12	.....
705	Lake Beresford Post-Light, No. 108.	At entrance to Lake Beresford.....	.....	Fixed white.....	Tub'lar lantern.	.....	.....
706	Lake Monroe Post-Light, No. 79.	On shoal at N. entrance to Lake Monroe, E. side of channel.	.....	Fixed white.....	Tub'lar lantern.	.....	.....
707	ST. AUGUSTINE.....	On N. end of Anastasia Island, S. side of entrance to St. Augustine, Fla.	29 53 07 81 17 12	Fixed white, varied by a white flash every 3 minutes.	1	161	183
708	MOSQUITO INLET.....	About 1 mile to northward of entrance to Mosquito Inlet, Fla.	29 04 (49) 80 55 (33)	Fixed white.....	1	159	183
709	CAPE CANAVERAL.....	On NE. pitch of Cape Canaveral, Fla...	28 27 37 80 31 31	Flashing white every minute.	1	136	173
710	Sand Point Post-Light, No. 2..	In about 6 feet of water, off Sand Point, just N. of Titusville.	.....	Fixed red.....	Tub'lar lantern.	12	.....
711	Addison Point Post-Light, No. 4.	In about 6 feet of water, off Addison Point.	.....	Fixed red.....	Tub'lar lantern.	12	.....
712	Jones Point Post-Light, No. 6.	In about 6 feet of water, off Jones Point.	.....	Fixed red.....	Tub'lar lantern.	12	.....
713	City Point Post-Light, No. 8..	In about 6 feet of water, off City Point..	.....	Fixed red.....	Tub'lar lantern.	12	.....
714	Cleveland Post-Light, No. 1...	In about 7 feet of water, off Cleveland..	.....	Fixed white.....	Tub'lar lantern.	12	.....
715	Cape Cod Post-Light, No. 3...	In about 7 feet of water, off Cape Cod...	.....	Fixed white.....	Tub'lar lantern.	12	.....
716	Eau Gallie Post-Light, No. 12.	In about 7 feet of water, about 1½ miles N. of Eau Gallie.	.....	Fixed red.....	Tub'lar lantern.	12	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
693	Cluster of three piles with red day-mark.		1889			
694	Cluster of three piles with red day-mark.		1891			
695	Square white four-pile structure.		1890			
696	Square white dwelling on piles; piles and roof, brown; blinds, green; lantern, black.		1886		Bell struck by machinery every 10 sec.	
697	Single pile with red day-mark		1886			} Guide through channel across Volusia Bar.
698	Single pile with red day-mark		1886			
699	Single pile with black day-mark		1886			
700	Cluster of three piles with black day-mark.		1889			
701	Cluster of three piles with red day-mark.		1889			
702	Cluster of three piles with black day-mark.		1888			
703	Cluster of three piles with red day-mark.		1888			
704	Cluster of three piles with black day-mark.		1888			
705	Cluster of three piles with red day-mark.		1893			To be lighted March 10, 1893.
706	Cluster of three piles with black day-mark.		1889			
707	Conical tower; foundation, white, with black cornice; shaft, colored with black and white spiral bands; below lantern deck, black; above, red; dwelling, white.	150	1823	1874		St. Johns River Light, N. by W. $\frac{1}{4}$ W., 32 miles.
708	Conical tower of red brick, natural color, surmounted by black lantern.	152	1887			St. Augustine Light, NNW., 52 miles; Cape Canaveral Light, SSE. $\frac{1}{4}$ E., 41 miles.
709	Conical tower, colored with alternate black and white horizontal bands, three of each color, commencing with white at the top. Old white tower near by; dwelling white.	134	1847	1868		There are dangerous shoals off this light. Hetzel Shoal, NNE. $\frac{1}{4}$ E., 11 $\frac{1}{2}$ miles; Ohio Shoal, NE. $\frac{1}{4}$ N., 11 $\frac{1}{2}$ miles; Ohio Shoal Whistling Buoy to the eastward of these shoals in about 9 fathoms of water. Bull Shoal, NE. $\frac{1}{4}$ E., 6 $\frac{1}{2}$ miles; extremity of shoal from cape, 6 $\frac{1}{2}$ miles.
710	Cluster of three piles with red day-mark.		1889			
711	Cluster of three piles with red day-mark.		1889			
712	Cluster of three piles with red day-mark.		1889			
713	Cluster of three piles with red day-mark.		1889			
714	Cluster of three piles with black day-mark.		1889			
715	Cluster of three piles with black day-mark.		1889			
716	Cluster of three piles with red day-mark.		1889			

SIXTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
717	Fisherman Point Post-Light, No. 7.	In about 7 feet of water, opposite Mel- bourne, off Fisherman Point.	.....	Fixed white	Tub'lar lantern.	12	.....
718	Cape Malabar Post-Light, No. 14.	In about 6 feet of water, off Cape Mala bar.	.....	Fixed red	Tub'lar lantern.	12	.....
719	Grant Farm Post-Light, No. 9	In about 9 feet of water, about 1½ miles S. of Rock Point.	.....	Fixed white	Tub'lar lantern.	12	.....
720	Grant Farm (lower) Post- Light, No. 9½.	In about 5½ feet of water, ½ mile to north- ward and westward of Grant Farm.	.....	Fixed white	Tub'lar lantern.	.....	.....
721	Grant Farm (upper) Post- Light, No. 9½.	In about 5½ feet of water, about ½ mile to southward of Grant Farm.	.....	Fixed white	Tub'lar lantern.	.....	.....
722	Grant Farm (upper) Post- Light, No. 9½.	In about 5½ feet of water, off S. end of Grant Farm.	.....	Fixed white	Tub'lar lantern.	.....	.....
723	Micco Post-Light, No. 16.....	In about 6 feet of water, off mouth of Sebastian Creek.	.....	Fixed red	Tub'lar lantern.	12	.....
724	Orchid Post-Light, No. 11.....	In about 8 feet of water, off Duck Point.	.....	Fixed white	Tub'lar lantern.	12	.....
725	Houston Post-Light, No. 18...	In about 6 feet of water, about 1½ miles S. of Houston.	.....	Fixed red	Tub'lar lantern.	12	.....
726	Bethel Post-Light, No. 13.....	In about 3 feet of water, about 1 mile S. of Bethel Creek.	.....	Fixed white	Tub'lar lantern.	12	.....
727	Indian River Narrows (lower) Post-Light, No. 15.	In about 6 feet of water at Indian River Narrows, about 1½ miles N. of Craw- ford Point.	.....	Fixed white	Tub'lar lantern.	.....	.....
728	Indian River Narrows (upper) Post-Light, No. 20.	In about 6 feet of water at the S. end of Indian River Narrows, about 1½ miles N. of Crawford Point.	.....	Fixed red	Tub'lar lantern.	.....	.....
729	Crawford Point Post-Light, No. 15½.	In about 6 feet of water, opposite Craw- ford Point.	.....	Fixed white	Tub'lar lantern.	.....	.....
730	Bradley Reserve Post-Light, No. 17.	In about 6 feet of water, off Bradley Reserve, opposite Blue Hole Creek.	.....	Fixed white	Tub'lar lantern.	12	.....
731	Garfield Post-Light, No. 22....	In about 5 feet of water, opposite Jack Island, about 1½ miles S. of Garfield Point.	.....	Fixed red	Tub'lar lantern.	12	.....
732	Taylor Creek Post-Light, No. 22½.	In about 6 feet of water, opposite mouth of Taylor Creek.	.....	Fixed red	Tub'lar lantern.	.....	.....
733	Ankony Post-Light, No. 19...	In about 6 feet of water, opposite Ankony.	.....	Fixed white	Tub'lar lantern.	12	.....
734	St. Lucie Post-Light, No. 21...	In about 8 feet of water, opposite mouth of St. Lucie River.	.....	Fixed white	Tub'lar lantern.	12	.....
735	North Narrows Post-Light, No. 24.	In about 6 feet of water, at N. end of North Jupiter Narrows.	.....	Fixed red	Tub'lar lantern.	12	.....
736	Peck Lake, North, Post- Light, No. 26.	In about 5 feet of water, at N. end of Peck Lake.	.....	Fixed red	Tub'lar lantern.	12	.....
737	Peck Lake, South, Post-Light, No. 28.	In about 6 feet of water, at S. end of Peck Lake.	.....	Fixed red	Tub'lar lantern.	12	.....
738	South Narrows Post-Light, No. 32.	In about 5 feet of water, at S. entrance to South Jupiter Narrows.	.....	Fixed red	Tub'lar lantern.	12	.....
739	Tahiti Post-Light, No. 34.....	At the S. end of the canal in Hobe Sound opposite Tahiti.	.....	Fixed red	Tub'lar lantern.	10	.....
740	Couch Bar Post-Light, No. 36.	In about 6 feet of water, at N. end of Jupiter Sound.	.....	Fixed red	Tub'lar lantern.	12	.....
741	Hell Gate Post-Light, No. 38..	In about 6 feet of water, midway of Jupiter Sound.	.....	Fixed red	Tub'lar lantern.	12	.....
742	Ash-Pan Shoals Post-Light, No. 23.	In about 3 feet of water, at S. end of Jupiter Sound.	.....	Fixed white	Tub'lar lantern.	12	.....
743	JUPITER INLET.....	North side of Jupiter Inlet.....	26 56 54 80 04 48	Fixed white, varied by a white flash every 90 sec.	1	146	18½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SIXTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
717	Cluster of three piles with black day-mark.	.....	1889	.....		
718	Cluster of three piles with red day-mark.	.....	1889	.....		
719	Cluster of three piles with black day-mark.	.....	1889	.....		
720	Cluster of three piles with black day-mark.	.....	1893	.....		To be lighted February 1 1893.
721	Cluster of three piles with black day-mark.	.....	1893	.....		To be lighted February 1, 1893.
722	Cluster of three piles with black day-mark.	.....	1891	.....		
723	Cluster of three piles with red day-mark.	.....	1889	.....		
724	Cluster of three piles with black day-mark.	.....	1889	.....		
725	Cluster of three piles with red day-mark.	.....	1889	.....		
726	Cluster of three piles with black day-mark.	.....	1889	.....		
727	Cluster of three piles with black day-mark.	.....	1893	.....		To be lighted February 1, 1893.
728	Cluster of three piles with red day-mark.	.....	1893	.....		To be lighted February 1, 1893.
729	Cluster of three piles with black day-mark.	.....	1891	.....		
730	Cluster of three piles with black day-mark.	.....	1889	.....		
731	Cluster of three piles with red day-mark.	.....	1889	.....		
732	Cluster of three piles with red day-mark.	.....	1891	.....		
733	Cluster of three piles with black day-mark.	.....	1889	.....		
734	Cluster of three piles with black day-mark.	.....	1889	.....		
735	Cluster of three piles with red day-mark.	.....	1889	.....		
736	Cluster of three piles with red day-mark.	.....	1889	.....		
737	Cluster of three piles with red day-mark.	.....	1889	.....		
738	Cluster of three piles with red day-mark.	.....	1889	.....		
739	Cluster of three piles with red day-mark.	.....	1892	.....		
740	Cluster of three piles with red day-mark.	.....	1889	.....		
741	Cluster of three piles with red day-mark.	.....	1889	.....		
742	Cluster of three piles with black day-mark.	.....	1889	.....		
743	Tower of red brick, natural color; oil room near tower. One-and-a-half story stone dwelling and two-story white dwelling.	94	1860	.....		There is a signal-display station on the light-house reservation.

SEVENTH DISTRICT.

FLORIDA.

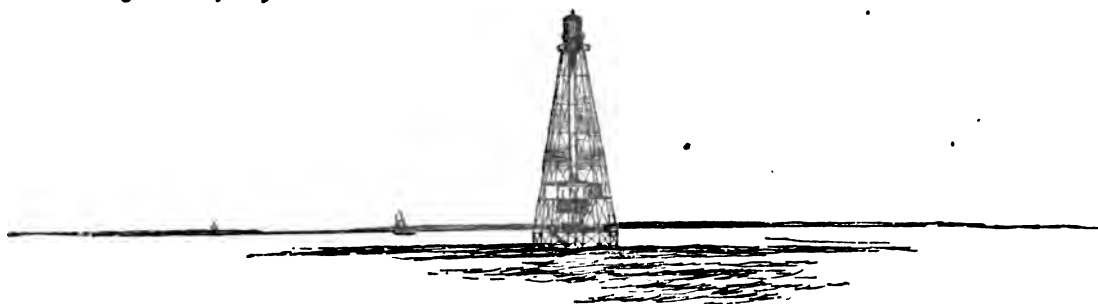
Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
744	FOWEY ROCKS.....	On Fowey Rocks, northern extremity of Florida Reefs.	25 35 (24) 80 05 (47)	Fixed white	1	110½	16½
745	CARYSFORT REEF.....	On Carysfort Reef, near edge of the Gulf Stream.	25 13 (17) 80 12 (40)	Flashing white every 30 sec.	1	100	15½
746	ALLIGATOR REEF.....	On NE. point of Alligator Reef	24 51 (02) 80 37 (08)	Flashing white and red; every third flash red, from SW. by W. ¼ W. through southward to NE. ¼ E., and from NE. ¼ E. ¼ E. through northward to SW. ¼ S.; flashing red throughout the in- tervening sectors; interval between flashes, 5 sec.	1	135½	18
747	SOMBRERO KEY	On Sombrero Shoal	24 37 (36) 81 06 (40)	Fixed white	1	142	16
748	AMERICAN SHOAL.....	On American Shoal	24 31 (24) 81 31 (13)	Flashing white every 5 sec.	1	109	16½
749	SAND KEY.....	On a small island of sand and shells, about 7 miles from Key West.	24 27 10 81 52 40	Fixed white for 1 min- ute, varied in next minute by a white flash of 10 seconds' duration, preceded and followed by par- tial eclipses of 25 seconds from W. ¼ S. through south- ward to ENE. ¼ E. and from E. ¼ N. through northward to SW. ¼ W.; fixed red for 1 minute, varied in the next minute by a red flash of 10 seconds' duration, preceded and followed by par- tial eclipses of 25 seconds throughout the intervening sec- tors.	1	109	16½
750	KEY WEST.....	On southern edge of town, Key West Island.	24 32 58 81 48 04	Fixed white.....	3	70½	14
751	Northwest Passage.....	On flats to mark channel of bar leading to Northwest Channel.	24 37 (04) 81 53 (58)	Fixed white, with a fixed red ray be- tween S. by W. and S. by W. ¼ W.	4	47	12½
752	Rebecca Shoal.....	On Rebecca Shoal	24 35 (03) 82 35 (07)	Flashing alternately red and white; in- terval between flashes, 5 sec.	4	66	13½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

Fowey Rocks Light Station Fla.



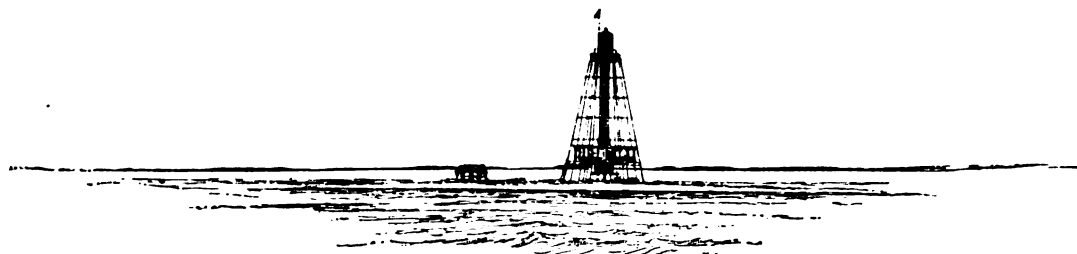
Alligator Reef Light Station Fla.



Sombrero Key Light Station Fla.



Sand Key Light Station Fla.





FLORIDA.

SEVENTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
744	Dark brown pyramidal framework, on pile foundation, inclosing white dwelling and cylindrical stairway to black lantern; window blinds, green.	.....	1878	.....	.....	In about 3 feet of water; deep water within 300 yards to the eastward. Fowey Rocks Beacon P, N., 150 feet; Carysfort Reef Light, S. by W., 23 miles.
745	Dark brown pyramidal framework, on pile foundation, inclosing low cylindrical dwelling and stairway to black lantern.	.....	1852	.....	.....	Close to seaward edge of reef, in about 2 feet of water; vessels of heavy draft should not pass within $\frac{1}{2}$ mile. Alligator Reef Light, SW. $\frac{1}{2}$ S., $3\frac{1}{2}$ miles.
746	White pyramidal framework, on black pile foundation, inclosing square dwelling and cylindrical stairway to black lantern.	.....	1873	.....	.....	In 5 feet of water, and within $\frac{1}{2}$ mile of the deep water of the Gulf. The easterly red sector extends from a line just to the northward of Black Buoy No. 9 to a line passing about 1 mile southward of Beacon "E" on Conch Reef. The westerly red sector extends from a line passing about $\frac{1}{2}$ mile south of Beacon 7, on Tennessee Reef, to a line passing about $\frac{1}{2}$ mile south of Red Buoy No. 12. Sombrero Key Light, SW. by W. $\frac{1}{2}$ W., 30 miles.
747	Brown pyramidal framework, on pile foundation, inclosing square dwelling and cylindrical stairway to black lantern.	.....	1857	.....	.....	In 5 feet of water, and within $\frac{1}{2}$ mile of the deep water of the Gulf. American Shoal Light, WSW. $\frac{1}{2}$ W., $23\frac{1}{2}$ miles.
748	Dark brown pyramidal framework, on pile foundation, inclosing dwelling and white stair cylinder to black lantern.	.....	1880	.....	.....	In 5 feet of water, and within $\frac{1}{2}$ mile of the deep water of the Gulf; Beacon "B," about 200 feet SE.; Sand Key Light, WSW. $\frac{1}{2}$ W., 20 miles.
749	Brown pyramidal framework, on pile foundation, inclosing square dwelling and cylindrical stairway to black lantern.	.....	1833	.....	.....	In the center of Sand Key, and within 350 yards of the deep water of the Gulf. The easterly red sector covers the space between the outer edge of reefs and about $\frac{1}{2}$ mile to the northward of Red Buoy No. 2 in Main Ship-Channel. The light appears red about $\frac{1}{2}$ mile before passing the Outer Main-Channel Buoy until just before the three buoys at the turn of the Main Ship-Channel are reached. The southerly edge of this sector passes about $1\frac{1}{2}$ miles south of Beacon "A" on Eastern Sambo. The westerly red sector covers the main portion of the Western Dry Rocks marked by Beacon 2. Key West Light, NNE. $\frac{1}{2}$ E., $7\frac{1}{2}$ miles; Rebecca Shoal Light, W. $\frac{1}{2}$ N., $39\frac{1}{2}$ miles.
750	White tower and black lantern; detached white dwelling, with green blinds.	60	1847	.....	.....	Guide to Key West through the different channels across the reef, and also inside of the reef.
751	White screw-pile structure; piles, red; lantern, black.	.....	1854	1879	.....	The red ray indicates position of bell buoy.
752	Square one-and-one-half story dwelling, surmounted by lantern, on iron pile foundation. Foundation, brown; dwelling, white, with green blinds; lantern, black.	.....	1886	.....	.....	In 12 feet of water, on SE. edge of shoal. Dry Tortugas Light, W. $\frac{1}{2}$ N., $18\frac{1}{2}$ miles. Vessels of any draft may pass within 1 mile of the light to the westward, but the channel to the eastward is not recommended. The light occupies the site of the former large day beacon.

SEVENTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.	
753	DRY TORTUGAS.....	On Loggerhead Key, the westernmost key of Tortugas group.	24 38 04 82 55 42	Fixed white	1	149½	18½	
754	Tortugas Harbor.....	On SE. bastion of Fort Jefferson, Garden Key, one of Tortugas group.	24 37 (46) 82 52 (50)	Fixed white	4	67	13½	
755	SANIBEL ISLAND.....	On E. end of Sanibel Island, near en- trance to San Carlos Harbor and port of Punta Rasa.	26 27 11 82 00 53	Fixed white, varied by a white flash every 2 minutes.	3	98	15½	
756	CHARLOTTE HARBOR. Range.	Gasparilla Island.....	26 43 (04) 82 15 (40)	Fixed white, varied by a red flash every 20 sec.	3½	41	11½	
757		Gasparilla Island Beacon	About 475 feet SW. by W. from the pre- ceding.	26 42 (59) 82 15 (46)	Fixed white	Lens lantern.	20	
758		Charlotte Harbor.....	In about 10 feet of water, 2½ miles SE. by E. ½ E. from Cape Haze, near the middle of the harbor.	26 45 (35) 82 06 (40)	Fixed red.....	5	36	8½
759		Mangrove Point Beacon.....	In about 15 feet of water, 1½ miles SE. by S. from Mangrove Point, the point of division between Myacca River and Peace Creek.	26 53 (56) 82 07 (26)	Fixed white	Lens lantern.	15	
760		Peace Creek Beacon.....	In about 13 feet of water, S. side of Peace Creek Channel, at the last turn.	26 55 (40) 82 06 (17)	Fixed red.....	Lens lantern.	13	
761	EGMONT KEY.....	On Egmont Key, entrance to Tampa Bay.	27 36 04 82 45 40	Fixed white	4	84½	14½	
762	ANCLOTE KEYS.....	On S. end of most southerly of Anclote Keys.	28 10 (02) 82 50 (44)	Flashing red every 30 sec.	3	101	15½	
763	Cedar Keys.....	On eastern end of mound on Sea-Horse Key, harbor of Cedar Keys.	29 05 49 83 03 58	Fixed white, varied by a white flash every minute.	4	74½	14½	
764	ST. MARKS.....	East side of entrance to St. Marks River	30 04 28 84 10 50	Fixed white	4	82	14½	
765	Crooked River.....							
766	CAPE ST. GEORGE.....	On Cape St. George, about 3½ miles to eastward of W. pass to St. George Sound.	29 35 18 85 02 52	Fixed white	3	72	14	
767	Range.	Apalachicola Bay (front).....	On E. edge at N. end of dredged channel into Apalachicola Bay.	29 42 (35) 84 58 (40)	Fixed red.....	Lens lantern.	15	
768		Apalachicola Bay (rear).....	On E. bank of Apalachicola River, oppo- site town of Apalachicola, about 1½ miles N. by W. ½ W. in rear of the preceding.	29 44 (05) 84 58 (59)	Fixed red.....	Lens lantern.	17	
769	CAPE SAN BLAS.....	Near S. point of Cape San Blas.....	29 40 (00) 85 21 (30)	Flashing alternately red and white: in- terval between flash- es, 30 sec.	3	98	15½	

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SEVENTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
753	Conical tower; lower half, white; upper half, lantern, and dome, black. Oil room near tower; dwelling a short distance to southward; both of yellow brick.	150	1858	.....	.....	Loggerhead Key is about $\frac{1}{2}$ mile in length NE. and SW. and about 700 feet broad, covered by a low growth of bay, cedar, etc. Tortugas Harbor Light, E. $\frac{1}{2}$ S., 2 $\frac{1}{2}$ miles.
754	Brown, hexagonal tower; lantern, black.	25	1825	1876	.....	.....
755	Brown, skeleton tower and lantern. Two white dwellings near tower.	96	1884	.....	.....	Entrance buoy bears SE. $\frac{1}{2}$ E., 3 $\frac{1}{2}$ miles.
756	White, one-story frame dwelling, with green blinds and shingled roof, surmounted by a black lantern; brown pile foundation. A similar structure, without the lantern, stands about 70 feet NE. by E.	.....	1890	.....	.....	} Range for entering Charlotte Harbor.
757	Square, black, pyramidal, skeleton structure.	.....	1890	.....	.....	
758	Square, white, one-and-one-half story structure, with green blinds and red roof, surmounted by a black lantern and resting on brown screw-pile foundation.	.....	1890	.....	.....	Gasparilla Island Light, WSW. $\frac{1}{2}$ W., 8 $\frac{1}{2}$ miles.
759	Square, black, pyramidal skeleton structure.	.....	1893	.....	.....	To be lighted February 20, 1893.
760	Square, red, pyramidal skeleton structure.	.....	1893	.....	.....	To be lighted February 20, 1893.
761	White tower; lantern, black; white dwelling detached, green blinds.	81	1848	1857	Anderson fog-horn sounded in answer to signals from passing vessels.	.....
762	Brown, skeleton tower and black lantern. Two white dwellings, with green blinds, in rear of tower.	96	1887	.....	.....	.....
763	Lantern on white dwelling.....	18	1854	.....	.....	Reef extending in a southwesterly direction, 13 miles from Sea-Horse Key, marked with an iron-pile beacon.
764	White tower and dwelling attached; balustrade, lantern, dome, and cowl, black.	75	1829	1866	.....	.....
765	.....	.....	.....	.....	.....	To be built.
766	White tower; lantern, dome, and cowl, black; white dwelling. New white dwelling 80 yards E. of the light-house.	68	1847	.....	.....	Shoals extend southward from light 7 miles, with 17 feet of water on outer shoal. Vessels should not approach this light nearer than 8 miles while running along the coast.
767	Lantern on cluster of three red iron-cased piles.	.....	1888	1892	.....	} Guide through dredged channel from Apalachicola Bay to the town of Apalachicola. Red day beacon on E. edge at S. end of dredged channel.
768	Lantern on cluster of three white iron-cased piles.	.....	1888	.....	.....	
769	Brown iron skeleton tower with brown lantern. Two white dwellings near tower.	90	1847	1885	.....	To be removed to a new site. A dangerous shoal extends 5 or 6 miles southerly from this cape. A portion of the old tower and oil room are still standing, about 400 yards from end of cape, in 8 feet of water.

SEVENTH DISTRICT.

FLORIDA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
770	PENSACOLA.....	Near Fort Barrancas, N. side of Pensacola Bay.	30 20 47 87 18 32	Flashing white every minute.	1	190½	20
771	Bar Beacon.....	Four hundred and fifty-eight feet SSE. ½ E. in front of the preceding.	30 20 (42) 87 18 (30)	Fixed white	6	55	11½
772	Fort McRae (front).....	Southwesterly from ruins of Fort McRae, about 800 feet back from beach.	30 19 11 87 19 11	Fixed white	Lens lantern.	36	.....
773	Fort McRae (rear).....	In The Lagoon, 850 feet WNW. in rear of the preceding.	30 19 14 87 19 18	Fixed red.....	Lens lantern.	49	.....
774	Fort Barrancas (front).....	On beach near Fort Barrancas	30 20 45 87 18 08	Fixed white	Lens lantern.	36	.....
775	Fort Barrancas (rear)	On bluff, 400 feet N. ½ E. in rear of the preceding.	30 20 49 87 18 07	Fixed red.....	Lens lantern.	75	.....
776	Devils Point	On an oyster reef, off Devils Point, Escambia Bay.	30 29 29 87 08 28	Fixed red	Lens lantern.	30	.....
777	White Point.....	Southeasterly from White Point, East (Santa Maria de Galvez) Bay.	30 21 (00) 87 02 (41)	Fixed red	Lens lantern.	30	.....
778	Escribano Point	At entrance to Blackwater Bay, about 1 mile northwesterly from Escribano Point.	30 31 (07) 87 01 (46)	Fixed red	Lens lantern.	30	.....

EIGHTH DISTRICT.

ALABAMA.

779	SAND ISLAND	On SE. side of low sand island, about 3 miles SSW. of Mobile Point, Ala.	30 11 19 88 03 02	Fixed white	2	131	17½
780	MOBILE POINT.....	On SW. lunette of Fort Morgan, Mobile Point, Ala., E. side of channel into Mobile Bay.	30 13 (44) 88 01 (27)	Fixed red.....	4	49	11½
781	Mobile Point Beacon	On Mobile Point, Ala., about 700 feet S. by W. ½ W. from Mobile Point Light.	30 13 (37) 88 01 (30)	Fixed white	Lens lantern.	35	.....
782	Mobile Bay.....	East side of lower bend of dredged channel in the bay, Ala.	30 26 (22) 88 00 (45)	Fixed white, varied by a red flash every 30 sec.	4	41	11½
783	Dog River Bar Beacon, No. 1..	On Dog River Bar, Ala., E. side of channel gap, at third bend.	.....	Fixed red.....	Lens lantern.	20	.....
784	Dog River Bar and Choctaw Pass Channel Ranges (front for both), Beacon No. 2.	On Dog River Bar, Ala., at intersection of axis of Dog River Bar and Choctaw Pass Channels.	.....	Fixed white	Lens lantern.	20	.....

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

FLORIDA.

SEVENTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
770	Lower third of tower, white; upper two-thirds, and lantern, dome, and cowl, black.	160	1824	1888		
771	Front of beacon, white; sides, black.	26½	1850	1879		Forms range with the preceding to cross the bar.
772	Square, white, pyramidal framework.	30	1888			Range guides in best water from the Pensacola Range to the Fort Barrancas Range.
773	Square, red, pyramidal framework.		1888	1888		
774	Square, white, pyramidal framework.	30	1888			Range guides from Fort McRae Range in best water between Forts McRae and Pickens.
775	Square, red, pyramidal framework.	50	1888			
776	Square, red, pyramidal framework.		1888	1888		In 5 feet of water, W. side of Escambia Bay. Principal channel lies to the eastward of beacon.
777	Square, red, pyramidal framework.		1888	1888		In 11 feet of water, at the anchorage in mid-channel, and serves as a guide to East (Santa Maria de Galvez) Bay.
778	Square, red, pyramidal framework.		1888	1888		In 7 feet of water, and marks turn of channel into Blackwater Bay.

ALABAMA.

EIGHTH DISTRICT.

779	Black conical tower; white dwelling, green blinds, on brick foundation.	125	1838	1873	Bell struck by machinery every 20 sec.	The curve of 18 feet of water extends S. by E., 2 miles from the light, and runs from thence north-westwardly to Dauphin Island, 3 miles from its eastern extremity. It also extends northwardly from the light until opposite Mobile Point. The main channel lies E. of these shoals, and the curve of 18 feet of water to the eastward of it extends from ¼ mile to 2½ miles E. of the light, and northward to Mobile Point.
780	Black tower. White dwelling outside of fort.	30	1864	1872		Vessels drawing not over 18 feet of water may approach within 300 yards of the light on the west. A shoal extends southward from the light 4 miles. Over this shoal, running E. and W., and lying ½ mile from the light, is the Swash Channel, with 6 feet water. There is a signal-display station about 100 yards to the eastward of the light tower.
781	Square, red, pyramidal framework.		1888			In approaching Mobile Bay from seaward, when in not less than 10 fathoms of water, get Sand Island Light to bear NNW. ½ W. and steer for it, passing close to the Whistling Buoy; continue this course until the Mobile Point Lights come in range, when change course to N. ½ E. Keeping this range open, after having crossed it, guides clear of the East Bank nearly up to Red Buoy No. 4.
782	Hexagonal screw-pile structure, with pyramidal roof, surmounted by black lantern; piles, red; dwelling, white, with green blinds.	56½	1885		Bell struck by machinery every 5 sec.	In 12½ feet of water, at bend in channel, and, with Sand Island Light, marks range of the lower section of dredged channel.
783	Lantern on red open-frame pile structure.		1871	1892		
784	Platform on wooden piles, supporting red staff and day-mark, with lantern attached.		1886			With Battery Gladden Light, forms a range for running the upper section of Dog River Bar Channel from Dog River Bar, Beacon No. 1, to its intersection with Choctaw Pass Channel. With the Choctaw Pass Channel Range, Beacon No. 3, forms a range for running the lower section of Choctaw Pass Channel.

EIGHTH DISTRICT. ALABAMA, MISSISSIPPI, AND LOUISIANA.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nauti- cal miles.
785	MOBILE BAY. Range. { Choctaw Pass Channel (rear), Beacon No. 3.	On easterly prolongation of axis of Choctaw Pass Channel, about 500 yards from the preceding.	.....	Fixed white	Lens lantern.	.....	.....
786	Range. { Battery Gladden (also Dog River Bar Range, rear).	On ruins of Battery Gladden, $\frac{1}{2}$ mile E. of Choctaw Point, below mouth of Mobile River, Ala.	30 40 (05) 88 00 (16)	Fixed white, with a fixed red ray be- tween ENE. $\frac{1}{4}$ E. and NE. by E. $\frac{1}{4}$ E.	4	45 $\frac{1}{2}$	12 $\frac{1}{2}$
787	Horn Island	On sand hill, about 1 mile WSW. $\frac{3}{4}$ W. from the old structure on the eastern end of Horn Island, Miss.	30 13 (12) 88 31 (45)	Fixed white, varied by a red flash every minute.	4	43	11 $\frac{1}{2}$
788	Round Island	On S. end of island off Pascagoula, Miss.	30 17 29 88 35 07	Fixed white	4	50	12 $\frac{1}{2}$
789	Range. { Pascagoula River (front)	At entrance to Pascagoula River, Miss., about 1,000 feet SE. of rear light.	30 20 (39) 88 34 (06)	Fixed white	Lens lantern.	22	.....
790	Range. { Pascagoula River (rear)	At entrance to Pascagoula River, Miss., about 1,450 feet SSW. of East Pasca- goula River Light-Station.	30 20 (47) 88 34 (13)	Fixed red	Lens lantern.	28	.....
791	MISSISSIPPI SOUND. East Pascagoula River	At W. side of mouth of East Pascagoula River, Miss.	30 21 01 88 34 06	Fixed white	5	36 $\frac{1}{2}$	11 $\frac{1}{2}$
792	Ship Island	Near W. end of Ship Island, Miss	30 12 (53) 88 57 (50)	Fixed red	4	73	11 $\frac{1}{2}$
793	Biloxi	At Biloxi, W. of western entrance to Biloxi Bay, Miss.	30 23 44 88 54 04	Fixed white	5	60 $\frac{1}{2}$	13
794	Cat Island	On western point of Cat Island, Miss ..	30 13 (56) 89 09 (41)	Fixed white, varied by a white flash every 90 sec.	5	45 $\frac{1}{2}$	12
795	Merrill Shell Bank	North side of main channel, between Cat Island, St. Joseph Island, and Grand Island, Miss.	30 14 (17) 89 15 (28)	Fixed white	4	42	11 $\frac{1}{2}$
796	Lake Borgne	Near S. extremity of Lower Point Clear, Miss., about 100 yards from the beach and 500 yards from the N. edge of Grand Island Pass entrance to Lake Borgne.	30 10 (35) 89 27 (33)	Fixed white	5	43 $\frac{1}{2}$	11 $\frac{1}{2}$
797	Pearl River .....	.....	.....	.....	.....	.....	.....
798	LAKE PONTCHARTRAIN. West Rigoleta	At E. entrance to Lake Pontchartrain, La.	30 10 33 89 44 34	Fixed white	5	29	10 $\frac{1}{2}$
799	Pointe aux Herbes	Near extreme NE. point of Pointe aux Herbes, 7 miles WSW. of West Rigo- leta, La.	30 09 (29) 89 51 (20)	Fixed red	5	37 $\frac{1}{2}$	8 $\frac{1}{2}$
800	Port Pontchartrain	Near terminus of Pontchartrain Railroad, Milneburg, La.	30 01 59 90 03 43	Fixed white, varied by a white flash every 90 sec.	5	47	11 $\frac{1}{2}$
801	Bayou St. John	Five miles N. of New Orleans, on the W. jetty, 150 feet from entrance to Bayou St. John, La.	30 01 (50) 90 04 (57)	Fixed white	6	33	11
802	New Canal	At entrance to New Canal, 5 miles N. of New Orleans, La.	30 01 (41) 90 06 (47)	Fixed white	5	47 $\frac{1}{2}$	12 $\frac{1}{2}$
803	Chefunte River	Near Madisonville, La	30 22 (58) 90 05 (59)	Fixed white	5	48	12 $\frac{1}{2}$
804	Pass Manchac	At mouth of Pass Manchac, between Lakes Maurepas and Pontchartrain, La.	30 17 (48) 90 12 (39)	Fixed white	5	31	10 $\frac{1}{2}$

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

ALABAMA, MISSISSIPPI, AND LOUISIANA.

EIGHTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
785	Platform on wooden piles, supporting red staff and day-mark, with lens lantern attached.		1886			Rear light of range for running the lower section of Choctaw Pass Channel.
786	Screw-pile structure, white; piles, red	41	1872			With Beacon No. 2 forms range for running upper section of Dog River Bar Channel from Beacon No. 1 to turning-point at Beacon No. 2. The red ray marks the turning-point in Choctaw Pass Channel.
787	Black lantern on square one-and-one-half story frame dwelling. Dwelling, white, with lead-colored trimmings and green blinds.	28	1874	1887		The piles and framework of the old structure remain in the water. The sand spit on the E. end of Horn Island is constantly shifting. Vessels should not attempt to go through Horn Island Pass when the buoys can not be seen.
788	Tower, white; lantern, black	45	1833			The light is hidden by woods between SE. $\frac{1}{2}$ S. through south to WNW. $\frac{1}{2}$ W., except through a narrow gap at S. $\frac{1}{2}$ W. A shoal, with less than 6 feet of water, extends 1 mile S. of light. Vessels in running through the sound, should pass to southward of this light, giving it a berth of between $2\frac{1}{2}$ and 3 miles.
789	Black, triangular pyramidal framework.		1889			Range for running the long arm of the dredged channel into Pascagoula River. The lights should be brought in range in 9 or 10 feet of water, and the range followed to the turn in the channel, from which point clusters of piles on the E. side of the channel guide into the river.
790	Black, triangular pyramidal framework.		1889	1892		
791	Lantern on white dwelling.	35	1854			The light is obscured by trees to the eastward of NW. by W. $\frac{1}{2}$ W.
792	Lantern on white, four-sided pyramidal tower. One-story frame dwelling, with green blinds, alongside.	50	1853	1886		Vessels of not over 18 feet draft may approach the light within $\frac{1}{2}$ mile on the N., W., or S.
793	Tower, white	48	1848			
794	White screw-pile structure; piles and lantern, red.	40	1831	1871		The light is obscured by Great Sand Hill and trees on Cat Island, between WSW. $\frac{1}{2}$ W. and W. by N.
795	White screw-pile structure; lantern, black.	51	1860	1883	Bell struck by machinery every 20 sec.	In 6 feet of water, 600 yards N. of turn of the channel in Mississippi Sound.
796	Square white dwelling on brown pile foundation; roof, brown; lantern, black.		1889		Bell struck by machinery every 30 sec.	St. Joseph Island Light-House (discontinued), NE. by E. $\frac{1}{2}$ E., $1\frac{1}{2}$ miles.
797						To be built.
798	Black lantern on white dwelling.		1865			
799	Black lantern on square white dwelling, standing on five white piers.	38	1875			
800	Tower, white; lantern, black; dwelling, detached.	36	1838			
801	Lantern on a white cylindrical column, supported by screw piles.	28	1811	1865		The W. entrance has been closed, and a white lantern light, on a pole on the E. jetty, is displayed by the canal company.
802	White, square, frame two-story dwelling, surmounted by black lantern and resting on pile foundation.	28	1838	1890		When bearing about SE., this light is in range with, but shows through, the observatory on the Southern Yacht Club House.
803	Tower, white; lantern, black; one-story white frame dwelling, detached. White frame fog-bell tower between tower and dwelling.	43	1837	1867	Bell struck by machinery every 30 sec.	
804	Tower, white; brick dwelling attached	20	1837			

EIGHTH DISTRICT.

LOUISIANA.

Number.	Name.	Location.	Latitude north. Longitude west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nautical miles.
805	Amite River	Near mouth of Amite River, Lake Maurepas, La.	0 " "	Fixed white	Lens lantern.	45	
806	CHANDELEUR	Near northern extremity of Chandeleur Island, La.	30 03 06 88 52 35	Fixed white	4	55½	12½
807	PASS À LOUITRE	North side of entrance to Pass à Louitro, on Middle Ground Island, in pass, La.	29 11 30 89 02 28	Fixed white, varied by a white flash every 45 sec.	3	63	13½
808	South Pass East Jetty	Mouth of pass, near end of eastern jetty, La.	28 59 (28) 89 08 (08)	Fixed red	5	52	8½
809	South Pass West Jetty	Mouth of pass, on end of western jetty, La.		Fixed white	5	26	10½
810	Range. { South Pass Beacon (front)	About 150 feet E. of W. jetty, and about ¼ mile from its outer end.		Fixed white	Red'r.	17	
811				Flashing white every 5 sec.	1	108	16½
812	SOUTHWEST PASS	On low marshy island, W. side of pass, ¼ mile S. by W. ¼ W. from old tower, La.	28 58 22 89 23 30	Fixed white	1	123½	16
813	Head of the Passes	On Deer Island, at junction of Southwest and South Passes, La.	29 08 34 89 15 05	Fixed white	5	38	11½
814	Head of the Passes West Jetty	West jetty, upper entrance to South Pass, La., about 1,400 feet N. by W. from Head of the Passes Light-House.	29 08 (48) 89 15 (08)	Fixed white	Lens lantern.	23	
815	Head of the Passes East Jetty	East jetty, upper entrance to South Pass, La.		Fixed red	Lens lantern.	38	
816	Cubits Gap Post-Light	At pilot headquarters, a short distance below Cubits Gap, La.	29 11 (15) 89 15 (40)	Fixed white	Tub'lar lantern.		
817	Cubits Gap Fog-Signal Station	At Cubits Gap, La., about 2,000 feet above Cubits Gap Post-Light.	29 11 (32) 89 15 (49)				
818	Pointe à la Hache Post-Light	At extreme end of Pointe à la Hache, about 51 miles below New Orleans, La.	29 32 (32) 89 45 (19)	Fixed red	Tub'lar lantern.		
819	Poverty Point Post-Light	At extreme end of Poverty Point, about 34 miles below New Orleans, La.	29 39 (19) 89 57 (16)	Fixed red	Tub'lar lantern.		
820	McCall Flat Post-Light	350 yards below wreck of <i>De Soto</i> , about 24 miles below New Orleans, La.	29 45 (50) 90 01 (03)	Fixed red	Tub'lar lantern.		
821	Shingle Point Post-Light	At Shingle Point, about 15 miles below New Orleans, La.	29 52 (50) 89 57 (44)	Fixed red	Tub'lar lantern.		
822	Twelvemile Point Post-Light	At Twelvemile Point, English Turn, 12 miles below New Orleans, La.	29 52 (52) 89 54 (31)	Fixed white	Tub'lar lantern.		

NOTE. — All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

LOUISIANA.

EIGHTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
805	One-story white frame dwelling, resting on four brown wooden piles; blinds, green.		1882			Lantern hoisted on staff above gable of dwelling.
806	Tower, white; lantern, black; two square white dwellings on iron piles, to westward of tower.	56	1848	1835		Guide to Cat and Ship Island Anchorages. There is safe anchorage inside the point, in 4 fathoms of water, the light bearing NE. about 2 miles. A shoal extends $\frac{1}{2}$ mile NW. of light.
807	Black tower, white dwelling 30 yards to southward. Black day-beacon of open framework, surmounted by a ball, bears E. $\frac{1}{4}$ S. from tower.	70	1855			It is not safe to attempt to carry more than 7 feet through this pass. Strangers should not go through without a pilot. Dangerous mud lumps are constantly forming at entrance.
808	White, square, pyramidal tower with green blinds, surmounted by black lantern and a flagstaff with gilt-ball 23 feet above the lantern; a fog-signal house, painted like the tower, stands alongside. Tower and fog-signal house on brown pile foundation.		1878	1891	Bell struck by machinery every 10 sec.	Vessels going in or out should keep well over towards this light.
809	Black four-sided pyramidal structure, on wooden pile foundation.	15	1878	1884		Visible from ENE. around by S. and E. to ESE.
810	White pyramidal wooden framework, resting on four piles.		1886			With South Pass Light, forms range for carrying deepest water into the pass.
811	Red framework pyramid, inclosing dwelling and cylindrical stairway.	105	1831	1861		Vessels going in should bring South Pass Light to bear NW. $\frac{1}{4}$ W., and then run for it on range line formed by it and the range beacon. Strangers should not attempt to go in without a pilot. All upward-bound vessels must keep to the right, or nearest the E. bank of the pass, giving right of way to vessels bound in opposite direction.
812	Black, octagonal, pyramidal skeleton tower, with dwelling in lower part. Low frame building stands 20 yards SE. of tower.	126	1831	1873		In approaching the bar, vessels should not pass inside of 10 fathoms without a pilot.
813	Lantern on white dwelling. Fog-bell tower near N. side.	36	1862	1863	Bell struck by machinery; double blow, interval 10 sec.; single blow, interval 20 sec.	
814	Lantern suspended from a pole		1878	1802		With the preceding forms a range to guide to entrance to South Pass. The channel is well over towards this light; bold water close alongside.
815	Framework structure of unpainted scantling, resting on piles and supporting a staff, on which hangs the lantern.	25	1878	1884		
816			1881			
817	Wooden structure		1891		Bell struck by machinery every 15 sec.	
818			1880			A section of the Louisiana Dry Dock is grounded a short distance below this light, on same side of river.
819			1880			
820			1880			
821			1881			
822			1881			

EIGHTH DISTRICT.

LOUISIANA AND TEXAS.

Number.	Name.	Location.	Latitude, north. Longitude, west.	Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
823	Barataria Bay	On W. end of Grande Terre Island, at entrance to Barataria Bay, La.	29 16 31 89 56 50	Fixed white	4	59	13
824	TIMBALIER	On N. side of Timbalier Island, near E. end, W. side of Grand Pass, entrance to Timbalier Bay, La.	29 03 06 90 20 57	Fixed white, varied by a red flash every minute.	2	106	16
825	SHIP SHOAL	On Ship Shoal, 11 miles SSW. of Rac- coon Point, La.	28 54 56 91 04 15	Flashing white every 30 sec.	2	105	16
826	SOUTHWEST REEF	At entrance to Atchafalaya Bay, La.	29 23 36 91 30 14	Fixed white	4	54½	12½
827	GRAND LAKE AND LAKE CHICOT.	Atchafalaya River Post- Light.	On W. bank, entrance into Six-Mile Lake, La.	Fixed white	Tub'lar lantern.		
828		Cypress Island Post-Light...	On E. end of Cypress Island, La.	Fixed white	Tub'lar lantern.		
829		Wreck of Queen of the West Post-Light.	Off wreck of Queen of the West, north- erly part of Grand Lake, La.	Fixed white	Tub'lar lantern.		
830		Shaws Island Post-Light....	On SE. end of Shaws Island, La.	Fixed white	Tub'lar lantern.		
831		Chicot Pass (South) Post- Light.	South entrance into Chicot Pass, La.	Fixed white	Tub'lar lantern.		
832		Chicot Pass (North) Post- Light.	North entrance into Chicot Pass, La.	Fixed white	Tub'lar lantern.		
833		Turning Point Post-Light...	In lower end of Lake Chicot, at the turn- ing point, La.	Fixed white	Tub'lar lantern.		
834		Lake Chicot Post-Light	Near center of lake, La.	Fixed white	Tub'lar lantern.		
835	Trinity Shoal Light-Vessel, No. 43..	Moored 1½ miles to northward of Trinity Shoal, La., and about midway between its extreme ends.	29 15 (00) 92 10 (00)	Fixed white	Ref'r.	40	11½
836	Calcasieu	At entrance to Calcasieu River, on W. bank of Calcasieu Pass, La.	29 46 54 93 20 42	Fixed white	4	53	12½
837	SABINE PASS	On Brant Point, E. side of entrance to Sabine River, La.	29 43 02 93 50 59	Fixed white, varied by a white flash every 90 sec.	3	84	14½
838	Galveston Light-Vessel, No. 28	Inside of Galveston Bar, Tex.	29 20 (50) 94 43 (30)	Fixed red	Ref'r.	48	12½
839	BOLIVAR POINT	North side of entrance to Galveston Bay, Tex.	29 22 03 94 46 01½	Fixed white	2	117	16½

NOTE.—All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

LOUISIANA AND TEXAS.

EIGHTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.								
83	White octagonal tower, 100 yards W. of Fort Livingston.	55	1856	1864										
84	Black pyramidal framework on pile foundation, inclosing dwelling and cylindrical stairway.		1856	1874		Stands in 7 feet of water. Vessels passing should use the lead frequently, and not get in less than 5 fathoms. Vessels drawing over 7 feet should not venture across the bar at entrance to Timbalier Bay. Good anchorage in 20 feet of water is found just inside the entrance, $\frac{1}{2}$ mile E. of extremity of West Timbalier Island.								
85	Brown pyramidal framework on pile foundation, inclosing dwelling.		1859		Bell struck by hand	Stands in 10 feet of water. The curve of 12 feet of water extends from $\frac{1}{4}$ to 6 miles E. of tower. The curve of 18 feet of water is found from 5 miles W. to 15 miles E. and from $\frac{1}{2}$ mile N. to 3 miles S. of it. Near western extremity of shoal. In passing along the coast to the southward, it is best to keep in not less than $4\frac{1}{2}$ fathoms, and when the light bears N. it should not be less than 5 miles distant. There is a good channel inside the shoal, with from 4 to 5 fathoms.								
86	Black screw-pile structure and pyramidal fog-bell tower.		1859		Bell struck by machinery every 20 sec.	Stands in 3 feet of water.								
87			1887											
88			1887											
89			1893											
90			1887											
91			1887											
92			1889											
93			1893											
94			1887											
95	Two masts, schooner-rigged; red circular latticework day-mark at each masthead. Hull red, with the words "TRINITY SHOAL" in large white letters on each side, and "43" on stern. The light is shown from foremast-head.		1881		12-inch steam whistle; blasts 4 sec., silent intervals 56 sec.	Moored in $3\frac{1}{2}$ fathoms of water. Guide through the channel between Tiger and Trinity Shoals, and marks the latter shoal. Whistle sounds thus: <table><tr><td>Blast,</td><td>Silent interval.</td><td>Blast,</td><td>Silent interval.</td></tr><tr><td>4 sec.</td><td>56 sec.</td><td>4 sec.</td><td>56 sec.</td></tr></table>	Blast,	Silent interval.	Blast,	Silent interval.	4 sec.	56 sec.	4 sec.	56 sec.
Blast,	Silent interval.	Blast,	Silent interval.											
4 sec.	56 sec.	4 sec.	56 sec.											
96	Black pyramidal tower, on screw-pile foundation, surmounted by cornice and lantern; white storehouse on wooden piles, on N. side of tower.	53	1876			Vessels drawing 5 feet may pass over the bar, when smooth, on the pilot range of light-house and beacon with flag, on W. bank of river. The bar buoy is kept as nearly as possible on this range.								
97	White octagonal tower. Detached white frame dwelling with green blinds, on pile foundation, near tower.	75	1856			Jetties (building) extend $3\frac{1}{2}$ miles out to sea, partly submerged.								
98	Two masts, schooner-rigged; black hoop-iron day-mark at mainmast-head. Hull and spars, straw-color, with the word "GALVESTON" in large black letters on each side, and "28" on stern.		1849		Bell	Moored in 28 feet of water. Guide across the bar in best water. Strangers should not approach Galveston Bar from eastward without a pilot in less than 7 fathoms of water. They may anchor with safety in 7 fathoms of water, with light-vessel bearing W. by N.								
99	Tower colored with white and black horizontal bands; white dwelling, 40 yards to northeastward.	110	1852	1872		The curve of 18 feet of water is found $3\frac{1}{2}$ miles due E., and $4\frac{1}{2}$ miles SE. of light. Strangers should not approach Galveston Bar from eastward without a pilot in less than 7 fathoms of water. Good anchorage in 7 fathoms, with light bearing WNW. $\frac{1}{2}$ W.								

EIGHTH DISTRICT.

TEXAS.

Number.	Name.	Location.	Latitude, north. Longitude, west.			Characteristic of light.	Order of light.	Height of light above mean high water, in feet.	Distance visible, in nau- tical miles.
			°	'	"				
840	Fort Point.....	Off NE. end of Galveston Island, Tex...	29 34	20 46	15 01	Fixed white with three fixed red sectors.	4	47½	12½
841	GALVESTON BAY. {	Halfmoon Shoal	29 34	24 51	02 00	Fixed white.....	6	37	11½
842		Red Fish Bar	29 34	30 52	(48) (09)	Fixed white.....	5	37½	11½
843	MATAGORDA	Near eastern end of Matagorda Island, entrance to Matagorda Bay, Pass Ca- vallo, Tex.	28 36	20 25	18 28	Flashing white every 90 sec.	3	85½	14½
844	ARANSAS PASS	On low island, inside of Aransas Pass, Tex.	27 37	51 03	51 25	Fixed white.....	4	65	13½
845	BRAZOS SANTIAGO (Padre Island).	West side of S. end of Padre Island, N. side of entrance to Brazos Santiago, Tex.	28 37	04 10	16 00	Fixed white.....	4	60	13½
846	Point Isabel.....								

NOTE.— All bearings are MAGNETIC, and in case of visibility of lights given from SEAWARD.

TEXAS.

EIGHTH DISTRICT.

Number.	Color and peculiarity of light-house or vessel.	Height, in feet, from base of structure to center of lantern.	When established.	When last rebuilt.	Fog signal.	Remarks.
840	White hexagonal screw-pile structure; piles, red; blinds, green; lantern and dome, black.		1881			This light is obscured between NNE. through north to WNW. $\frac{1}{2}$ W. On the latter bearing it becomes visible as a red light, and shows as such through 16° of arc to line of jetty, when it changes to a white light, illuminating 4° of arc, and marking entrance to jetty channel. From thence it is obscured through an arc of $19\frac{1}{2}^{\circ}$, and again becomes visible as a white light on the bearing SW by W. $\frac{1}{2}$ W. From this point to SSW. it shows as a fixed white light, interrupted, however, by two red sectors, one on Turn Buoy (black, No. 3) and one on Galveston wharves. On entering main ship-channel at night, the light will not be visible until nearly up to the light-vessel, when it will show white and continue as such until up to Turn Buoy, No. 3, when it will change to red. After making the turn, it will again show white, and so continue until near the city wharves, when it shows red.
841	White screw-pile structure; lantern, black.		1854	1869	Bell struck by machinery every 20 sec.	To guide clear of Halfmoon Shoal.
842	White screw-pile structure; lantern black.		1854	1868	Bell struck by machinery every 30 sec.	To guide clear of Red Fish Bar Shoals.
843	Black conical tower; two white dwellings, a few yards to NE.	84	1852	1873		About $1\frac{1}{2}$ miles SW. by W. $\frac{1}{2}$ W. from old tower. This bar changes frequently, both in position and depth, and should never be attempted without a pilot. Anchorage in from 7 to 8 fathoms, with the light bearing from WNW. to NW.
844	Brown octagonal tower; two dwellings, detached.	55	1855	1867		The light, when bearing NW. $\frac{1}{2}$ W., will be seen between the two points of the pass; but the bar shifts so often that no directions can be given for crossing, and little dependence should be put on the buoys. Strangers should not attempt this bar without a pilot or without sounding the bar for themselves. Anchorage off this bar, in about 7 fathoms, with the light bearing NW.
845	Hexagonal screw-pile structure; dwelling, slate-color; piles, roof, and lantern, black.	61	1879			On no account should strangers attempt to cross the bar without a pilot, as it is constantly changing.
846						To be reestablished.

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Hilton Head Range, S. C.	6	96	Man-o-War Rock, East River, N. Y.	3	54
Hog Island Shoal Light-Vessel, No. 12, Narragansett Bay, R. I.	3	40	Marblehead, Mass.	2	28
Hog Island, Va.	5	76	Marshall Point, Me.	1	22
Holland Island Bar, Chesapeake Bay, Md.	5	84	Martins Industry Light-Vessel, No. 1, S. C.	6	96
Hook Beacon, Sandy Hook, N. J.	3	56	Maryland Point, Potomac River, Md.	5	82
Hooper Strait, Chesapeake Bay, Md.	5	84	Matagorda, Tex.	8	122
Horn Island, Miss.	8	116	Mathias Point Shoal, Potomac River, Va.	5	82
Horse Landing, St. Johns River, Fla.	6	104	Matinicus Rock, Me.	1	20
Horsehoe Range, Delaware River, Pa.	4	72	Maurice River, Delaware Bay, N. J.	4	68
Horsehoe, St. Johns River, Fla.	6	104	Mayo Beach, Cape Cod Bay, Mass.	2	30
Horton Point, Long Island Sound, N. Y.	3	50	McCall Flat, Mississippi River, La.	8	118
Hospital Point, Cape Fear River, N. C.	6	94	McWilliams Point Shoal, Pamlico Sound, N. C.	5	92
Hospital Point, Salem Harbor, Mass.	2	28	Meadows, Connecticut River, Conn.	3	46
Houston, Indian River, Fla.	6	108	Merrill Shell Bank, Mississippi Sound, Miss.	8	116
Hudson City, Hudson River, N. Y.	3	60	Mico, Indian River, Fla.	6	108
Hunting Island, S. C.	6	96	Middle Ground (Fort Ripley Shoal), Charleston Harbor, S. C.	6	96
Hyanis Range, Nantucket Sound, Mass.	2	34	Middle Ground (Stratford Shoal), Long Island Sound, N. Y.	3	50
Ice House, Thames River, Conn.	3	44	Middle Quarantine Shoal, St. Johns River, Fla.	6	100
Indian Hill, Thames River, Conn.	3	44	Minots Ledge, Boston Bay, Mass.	2	28
Indian Island, Penobscot Bay, Me.	1	22	Mispillion Creek, Delaware Bay, Del.	4	66
Indian River Narrows, Indian River, Fla.	6	108	Mobile Bay, Ala.	8	114
Iona Island, Hudson River, N. Y.	3	60	Mobile Point, Ala.	8	114
Ipswich, Mass.	2	26	Mobile Point Beacon, Ala.	8	114
Isles of Shoals, N. H.	1	26	Mohegan Dike, Thames River, Conn.	3	44
James Island, Tangier Sound, Md.	5	80	Monhegan Island, Me.	1	22
Jefferys Hook, Hudson River, N. Y.	3	60	Monomoy Point, Mass.	2	32
Jones Island, Savannah River, S. C.	6	98	Montauk Point, N. Y.	3	42, 54
Jones Point, Indian River, Fla.	6	106	Moosabec Reach, Me.	1	18
Jones Point, Potomac River, Va.	5	82	Moose Peak, Me.	1	18
Jordan Point, James River, Va.	5	78	Morgan Point, Fishers Island Sound, Conn.	3	42
Joshua Rocks, Connecticut River, Conn.	3	46	Morris Island North Range, S. C.	6	94
Jupiter Inlet, Fla.	6	108	Morris Island South Range, S. C.	6	94
Key West, Fla.	7	110	Mosquito Inlet, Fla.	6	106
Killick Shoal, Va.	4	76	Mount Desert, Me.	1	18
Kinkora, Delaware River, N. J.	4	74	Mount Royal, St. Johns River, Fla.	6	104
Lake Beraford, St. Johns River, Fla.	6	106	Moose Island (lower), Connecticut River, Conn.	3	48
Lake Borgne, Mississippi Sound, Miss.	8	116	Moose Island (upper), Connecticut River, Conn.	3	48
Lake Chicot, La.	8	120	Mud Lake Point, St. Johns River, Fla.	6	106
Lake Dexter, St. Johns River, Fla.	6	106	Mull Dike, Hudson River, N. Y.	3	62
Lake Monroe, St. Johns River, Fla.	6	106	Murphy Island, St. Johns River, Fla.	6	104
Lampshire Dock (Narrow Channel), Hudson River, N. Y.	3	62	Murphy Island South, St. Johns River, Fla.	6	104
Lancaster Point, St. Johns River, Fla.	6	102	Muscle Bed Shoals, Narragansett Bay, R. I.	3	40
Latimer Reef, Fishers Island Sound, N. Y.	3	42	Nansemond River, Va.	5	78
Laurel Point, Albemarle Sound, N. C.	5	90	Nantucket Cliff Range, Nantucket Sound, Mass.	2	34
Lawrence Point Ledge, East River, N. Y.	3	54	Nantucket (Great Point), Nantucket Sound, Mass.	2	32
			Nantucket New South Shoal Light-Vessel, No. 54, Mass.	2	34
			Narraguagus, Me.	1	18

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